

TRILOBITE TESTING L.L.C.



P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 9915

Well Name & No.	<u>Krey #2-36</u>	Test No.	<u>4</u>	Date	<u>3-19-97</u>
Company	<u>Berexco, Inc.</u>	Zone Tested	<u>Spargen St. Louis</u>		
Address	<u>970 Fourth Financial Ctr Wichita KS 67202</u>	Elevation	<u>3421</u>	KB	<u>3409 GL</u>
Co. Rep / Geo.	<u>Dave Lowe</u>	Cont.	<u>Beredco #1</u>	Est. Ft. of Pay	<u>Por. %</u>
Location: Sec.	<u>36</u>	Twp.	<u>32^S</u>	Age.	<u>41^W</u>
		Co.	<u>Morton</u>	State	<u>KS</u>
No. of Copies	Distribution Sheet (Y, N)	Turnkey (Y, N)	Evaluation (Y, N)		

Interval Tested	<u>5379 - 5390</u>	Initial Str Wt./Lbs.	<u>110,000</u>	Unseated Str Wt./Lbs.	<u>110,000</u>
Anchor Length	<u>11'</u>	Wt. Set Lbs.	<u>30,000</u>	Wt. Pulled Loose/Lbs.	<u>135,000</u>
Top Packer Depth	<u>5374</u>	Tool Weight	<u>1,800</u>		
Bottom Packer Depth	<u>5379</u>	Hole Size — 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>5390</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>4 1/2" H-90 636</u>
Mud Wt.	<u>B.B LCM #1/bbl. vis. 5B WL 7.6</u>	Drill Pipe Size	<u>4 1/2" XH</u>	Ft. Run	<u>4734'</u>
Blow Description	<u>IF: Weak surface blow surging and built to 3"</u>				
	<u>IST: Bled off blow - no return.</u>				
	<u>FF: Fair blow built 4" in 5 mins built slowly to 7"</u>				
	<u>EST: Bled off blow - no return.</u>				

Recovery — Total Feet	<u>90'</u>	GIP	<u>546'</u>	Ft. in DC	<u>90'</u>	Ft. in DP	<u>—</u>
Rec.	Feet Of	%gas	%oil	%water	%mud		
Rec.	Feet Of	%gas	%oil	%water	%mud		
Rec.	<u>90'</u> Feet Of	<u>Drilg. Mud w/show</u>		%gas	%oil	%water	%mud
Rec.	Feet Of	<u>of oil @ top</u>		%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud		

BHT 140° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1,100 ppm System

(A) Initial Hydrostatic Mud	<u>2711</u>	<u>2618</u>	PSI	Recorder No.	<u>13339</u>	T-Started	<u>0730</u>
(B) First Initial Flow Pressure	<u>31</u>	<u>20</u>	PSI	(depth)	<u>5387</u>	T-Open	<u>0952</u>
(C) First Final Flow Pressure	<u>31</u>	<u>35</u>	PSI	Recorder No.	<u>2341</u>	T-Pulled	<u>1422</u>
(D) Initial Shut-in Pressure	<u>1020</u>	<u>1049</u>	PSI	(depth)	<u>5381</u>	T-Out	<u>1715</u>
(E) Second Initial Flow Pressure	<u>52</u>	<u>35</u>	PSI	Recorder No.	<u>—</u>		
(F) Second Final Flow Pressure	<u>52</u>	<u>55</u>	PSI	(depth)	<u>—</u>		
(G) Final Shut-in Pressure	<u>1160</u>	<u>1191</u>	PSI	Initial Opening	<u>30</u>	Test	
(H) Final Hydrostatic Mud	<u>2593</u>	<u>2562</u>	PSI	Initial Shut-in	<u>60</u>	Jars	<u>X</u>

AK-1 Alp. Final Flow 60 Safety Joint X

Final Shut-in 120 Straddle _____

Circ. Sub: X N/C

Sampler _____

Extra Packer _____

Elect. Rec. X

Other _____

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 : Berexco Inc.
 WELL NAME: Krey #2-36
 LOCATION : 36-32S-41W
 INTERVAL : 5507.00 To 5520.00 ft

DATE 3-20-97

KB 3421.00 ft TICKET NO: 9916 DST #5
 GR 3409.00 ft FORMATION: Spergen
 TD 5520.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	2341			PF Fr. 2030 to 2100 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 2100 to 2200 hr
SF 60 Clock(hrs)	12 HR	12 HR	Elec			SF Fr. 2200 to 2300 hr
FS 120 Depth(ft)	5515.0	5515.0	5510.0	0.0	0.0	FS Fr. 2300 to 0100 hr

	Field	1	2	3	4	
A. Init Hydro	2622.0	2866.0	2651.0	0.0	0.0	T STARTED 1805 hr
B. First Flow	72.0	142.0	77.0	0.0	0.0	T ON BOTM 2025 hr
Bl. Final Flow	83.0	153.0	146.0	0.0	0.0	T OPEN 2030 hr
C. In Shut-in	1271.0	1355.0	1352.0	0.0	0.0	T PULLED 0100 hr
D. Init Flow	145.0	227.0	152.0	0.0	0.0	T OUT 0330 hr
E. Final Flow	207.0	299.0	275.0	0.0	0.0	
F. Fl Shut-in	1271.0	1343.0	1344.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2612.0	2687.0	2631.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs

RECOVERY

Tot Fluid 636.00 ft of 636.00 ft in DC and 0.00 ft in DP
 286.00 ft of Drilling Mud
 270.00 ft of Muddy Water 80% water 20% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of RW .24 @ 70 deg
 SALINITY 30000.00 P.P.M. A.P.I. Gravity 0.00

Wt Pulled Loose 150000.00 lb
 Initial Str Wt 110000.00 lb
 Unseated Str Wt 110000.00 lb
 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 636.00 ft
 D.P. Length 4859.00 ft

BLOW DESCRIPTION

Initial Flow:
 Tool slid 7, Surface blow built to 6"

Initial Shut In:
 Bled off blow - no return

Final Flow:
 No Return - Flushed tool - Good surge
 surface return in 14
 4"

Final Shut In:
 Bled off blow - no return

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 8.70 lb/
 Vis. 54.00 S/L
 W.L. 8.00 in3
 F.C. 0.00 in
 Mud Drop N

Amt. of fill 0.00 ft
 Btm. H. Temp. 145.00 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 Y 7.00 ft
 Tester Rod Steinbrink
 Co. Rep. Dave Lowe
 Contr. Beredco
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Krey #2-36

LOCATION : 36-32S-41W

TICKET No. 9916 D.S.T. No. 5 DATE 3-20-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 13

BOTTOM PACKERS AND ANCHOR

TOTAL TOOL 40

DRILL COLLAR ANCHOR IN INTERVAL

J.C. ANCHOR STND.Stands Single Total

J.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 40

J.C. ABOVE TOOLS.Stands7 Single Total 636

D.P. ABOVE TOOLS.Stands52 Single Total 4859

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5535

TOTAL DEPTH 5520

TOTAL DRILL PIPE ABOVE K.B. 15

REMARKS:

P.O. SUB 1' Above 90' DC	5310
C.O. SUB 1'	5480
S.I. TOOL 5'	5486
HMV 5'	5491
JARS 5'	5496
SAFETY JOINT 2'	5498
PACKER 4'	5502
PACKER 5'	5507
DEPTH STUBB 1'	5508
ANCHOR	
Alp. Rec. @	5510
5' Perf.	5513
2' Perf.	5515
T.C. DEPTH	
AK-1 Rec. @	5515
BULLNOSE 5'	
T.D.	5520

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9916 DST #5 Krey #2-36 Berexco Inc.

DATE: 03/20/97 TIME: 18:05:48

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	143.00	2650.7	0.0	128.30		
***** Start Flow 1	0.00	77.2	0.0	130.39		
	1.00	77.8	0.6	131.28		
	2.00	80.3	3.0	131.94		
	3.00	82.8	5.5	132.49		
	4.00	85.2	8.0	132.90		
	5.00	87.5	10.3	133.23		
	6.00	89.4	12.2	133.49		
	7.00	91.8	14.6	133.72		
	8.00	94.4	17.2	133.89		
	9.00	97.1	19.9	134.04		
	10.00	99.3	22.1	134.16		
	11.00	101.2	24.0	134.25		
	12.00	102.0	24.8	134.43		
	13.00	105.7	28.5	134.50		
	14.00	110.0	32.8	134.61		
	15.00	111.6	34.4	134.69		
	16.00	113.7	36.5	134.79		
	17.00	115.4	38.2	134.89		
	18.00	117.1	39.9	134.96		
	19.00	119.3	42.1	135.00		
	20.00	121.6	44.4	135.10		
	21.00	125.1	47.9	135.20		
	22.00	129.1	51.9	135.29		
	23.00	132.5	55.3	135.40		
	24.00	134.3	57.1	135.51		
	25.00	147.3	70.1	135.61		
	26.00	142.9	65.7	135.72		
	27.00	138.6	61.4	135.86		
	28.00	140.7	63.5	136.10		
	29.00	142.2	65.0	136.35		
	30.00	144.0	66.8	136.57		
***** End Flow 1	31.00	146.5	69.3	136.74		
***** Start Shutin 1	0.00	146.5	0.0	136.74	0.0000	0.021
	1.00	632.4	485.9	136.92	32.0000	0.400
	2.00	960.6	814.1	137.08	16.5000	0.923
	3.00	1047.0	900.5	137.27	11.3333	1.096
	4.00	1096.8	950.3	137.40	8.7500	1.203
	5.00	1131.3	984.8	137.53	7.2000	1.280
	6.00	1157.1	1010.6	137.64	6.1667	1.339
	7.00	1177.6	1031.1	137.74	5.4286	1.387
	8.00	1194.4	1047.9	137.83	4.8750	1.427
	9.00	1208.4	1061.9	137.95	4.4444	1.460
	10.00	1220.5	1074.0	137.99	4.1000	1.490
	11.00	1230.9	1084.4	138.07	3.8182	1.515
	12.00	1240.0	1093.5	138.11	3.5833	1.538
	13.00	1248.1	1101.6	138.17	3.3846	1.558
	14.00	1255.4	1108.9	138.21	3.2143	1.576
	15.00	1261.9	1115.4	138.26	3.0667	1.592
	16.00	1267.9	1121.4	138.31	2.9375	1.608
	17.00	1273.4	1126.8	138.32	2.8235	1.621

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

IT: 9916 DST #5 Krey #2-36 Borexco Inc.
 TE: 03/20/97 TIME: 18:05:48

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
18.00	1278.3	1131.8	138.36	2.7222	1.634
19.00	1282.8	1136.3	138.41	2.6316	1.646
20.00	1287.1	1140.6	138.44	2.5500	1.657
21.00	1291.0	1144.5	138.48	2.4762	1.667
22.00	1294.6	1148.1	138.49	2.4091	1.676
23.00	1298.0	1151.5	138.54	2.3478	1.685
24.00	1301.2	1154.7	138.56	2.2917	1.693
25.00	1304.2	1157.7	138.58	2.2400	1.701
26.00	1307.0	1160.5	138.60	2.1923	1.708
27.00	1309.7	1163.2	138.63	2.1481	1.715
28.00	1312.2	1165.7	138.64	2.1071	1.722
29.00	1314.6	1168.1	138.66	2.0690	1.728
30.00	1316.9	1170.4	138.71	2.0333	1.734
31.00	1319.1	1172.6	138.71	2.0000	1.740
32.00	1321.1	1174.6	138.73	1.9688	1.745
33.00	1322.9	1176.4	138.75	1.9394	1.750
34.00	1324.7	1178.2	138.76	1.9118	1.755
35.00	1326.6	1180.0	138.79	1.8857	1.760
36.00	1328.2	1181.7	138.79	1.8611	1.764
37.00	1329.7	1183.2	138.86	1.8378	1.768
38.00	1331.2	1184.7	138.86	1.8158	1.772
39.00	1332.6	1186.1	138.91	1.7949	1.776
40.00	1334.0	1187.5	138.95	1.7750	1.780
41.00	1335.4	1188.8	138.96	1.7561	1.783
42.00	1336.7	1190.2	138.98	1.7381	1.787
43.00	1337.8	1191.3	139.01	1.7209	1.790
44.00	1339.1	1192.6	138.98	1.7045	1.793
45.00	1340.2	1193.7	139.07	1.6889	1.796
46.00	1341.3	1194.7	139.05	1.6739	1.799
47.00	1342.3	1195.8	139.09	1.6596	1.802
48.00	1343.3	1196.8	139.11	1.6458	1.805
49.00	1344.3	1197.7	139.16	1.6327	1.807
50.00	1345.3	1198.8	139.18	1.6200	1.810
51.00	1346.2	1199.7	139.23	1.6078	1.812
52.00	1347.1	1200.6	139.22	1.5962	1.815
53.00	1347.9	1201.4	139.26	1.5849	1.817
54.00	1348.7	1202.2	139.28	1.5741	1.819
55.00	1349.5	1203.0	139.30	1.5636	1.821
56.00	1350.3	1203.8	139.33	1.5536	1.823
57.00	1350.9	1204.4	139.35	1.5439	1.825
58.00	1351.7	1205.2	139.38	1.5345	1.827
59.00	1352.2	1205.7	139.39	1.5254	1.828
***** End Shut-in 1					
***** Start Flow 2	0.00	151.9	0.0	139.33	
	1.00	157.2	5.3	139.31	
	2.00	158.5	6.6	139.33	
	3.00	161.0	9.2	139.38	
	4.00	163.1	11.2	139.44	
	5.00	165.9	14.0	139.52	
	6.00	167.6	15.7	139.60	
	7.00	2606.1	2454.2	139.96	
	8.00	2600.2	2448.3	140.26	

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9916 DST #5 Krey #2-36 Berexco Inc.

DATE: 03/20/97

TIME: 18:05:48

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
9.00	175.7	23.8	140.40		
10.00	175.8	23.9	140.54		
11.00	178.1	26.2	140.62		
12.00	180.4	28.5	140.66		
13.00	182.7	30.8	140.68		
14.00	185.3	33.4	140.71		
15.00	187.3	35.4	140.73		
16.00	189.6	37.7	140.75		
17.00	191.9	40.0	140.78		
18.00	194.2	42.4	140.81		
19.00	196.7	44.9	140.84		
20.00	198.7	46.8	140.86		
21.00	201.1	49.2	140.89		
22.00	205.0	53.1	140.93		
23.00	207.5	55.6	140.97		
24.00	206.9	55.0	141.01		
25.00	208.8	56.9	141.03		
26.00	211.0	59.1	141.08		
27.00	212.9	61.0	141.12		
28.00	214.8	63.0	141.18		
29.00	217.0	65.1	141.23		
30.00	219.0	67.1	141.29		
31.00	220.8	68.9	141.36		
32.00	223.0	71.1	141.44		
33.00	224.7	72.8	141.50		
34.00	226.7	74.8	141.58		
35.00	228.7	76.8	141.67		
36.00	230.7	78.8	141.75		
37.00	232.7	80.9	141.85		
38.00	234.7	82.8	141.94		
39.00	236.7	84.8	142.02		
40.00	238.4	86.6	142.12		
41.00	240.6	88.7	142.22		
42.00	242.6	90.7	142.25		
43.00	244.6	92.7	142.34		
44.00	246.6	94.7	142.44		
45.00	248.5	96.7	142.52		
46.00	250.3	98.4	142.62		
47.00	252.1	100.2	142.71		
48.00	254.0	102.1	142.79		
49.00	255.8	103.9	142.87		
50.00	257.6	105.7	142.95		
51.00	259.3	107.4	143.03		
52.00	261.1	109.3	143.09		
53.00	262.6	110.7	143.18		
54.00	264.4	112.5	143.24		
55.00	266.2	114.3	143.31		
56.00	268.1	116.2	143.38		
57.00	269.8	117.9	143.45		
58.00	271.6	119.7	143.52		
59.00	273.4	121.5	143.60		

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DATE: 03/20/97

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	Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** End Flow 2	60.00	275.1	123.2	143.67		
***** Start Shutin 2	0.00	275.1	0.0	143.67	0.0000	0.076
	1.00	465.4	190.3	143.77	92.0000	0.217
	2.00	906.1	631.0	143.87	46.5000	0.821
	3.00	995.6	720.6	143.96	31.3333	0.991
	4.00	1045.1	770.0	144.04	23.7500	1.092
	5.00	1078.9	803.8	144.15	19.2000	1.164
	6.00	1104.5	829.4	144.25	16.1667	1.220
	7.00	1124.7	849.6	144.36	14.0000	1.265
	8.00	1141.4	866.4	144.43	12.3750	1.303
	9.00	1155.6	880.5	144.54	11.1111	1.335
	10.00	1167.8	892.7	144.58	10.1000	1.364
	11.00	1178.5	903.5	144.62	9.2727	1.389
	12.00	1188.0	912.9	144.67	8.5833	1.411
	13.00	1196.3	921.3	144.71	8.0000	1.431
	14.00	1204.0	928.9	144.71	7.5000	1.450
	15.00	1210.8	935.7	144.77	7.0667	1.466
	16.00	1217.2	942.1	144.80	6.6875	1.482
	17.00	1223.0	947.9	144.82	6.3529	1.496
	18.00	1228.4	953.4	144.84	6.0556	1.509
	19.00	1233.4	958.4	144.86	5.7895	1.521
	20.00	1238.1	963.0	144.87	5.5500	1.533
	21.00	1242.4	967.3	144.89	5.3333	1.543
	22.00	1246.5	971.4	144.91	5.1364	1.554
	23.00	1250.3	975.3	144.93	4.9565	1.563
	24.00	1253.9	978.8	144.93	4.7917	1.572
	25.00	1257.3	982.2	144.94	4.6400	1.581
	26.00	1260.4	985.4	144.95	4.5000	1.589
	27.00	1263.5	988.5	144.96	4.3704	1.596
	28.00	1266.4	991.3	144.96	4.2500	1.604
	29.00	1269.2	994.1	144.98	4.1379	1.611
	30.00	1271.8	996.7	144.99	4.0333	1.617
	31.00	1274.3	999.2	144.98	3.9355	1.624
	32.00	1276.7	1001.6	144.99	3.8438	1.630
	33.00	1279.0	1003.9	145.00	3.7576	1.636
	34.00	1281.2	1006.1	145.00	3.6765	1.641
	35.00	1283.3	1008.2	145.00	3.6000	1.647
	36.00	1285.2	1010.2	145.03	3.5278	1.652
	37.00	1287.1	1012.0	145.01	3.4595	1.657
	38.00	1289.0	1013.9	145.02	3.3947	1.662
	39.00	1290.8	1015.7	145.02	3.3333	1.666
	40.00	1292.4	1017.4	145.03	3.2750	1.670
	41.00	1294.2	1019.1	145.02	3.2195	1.675
	42.00	1295.7	1020.6	145.01	3.1667	1.679
	43.00	1297.3	1022.2	145.02	3.1163	1.683
	44.00	1298.7	1023.6	145.04	3.0682	1.687
	45.00	1300.1	1025.0	145.03	3.0222	1.690
	46.00	1301.5	1026.4	145.05	2.9783	1.694
	47.00	1302.8	1027.7	145.04	2.9362	1.697
	48.00	1304.1	1029.0	145.05	2.8958	1.701
	49.00	1305.5	1030.4	145.04	2.8571	1.704

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9916 DST #5 Krey #2-36 Berexco Inc.

DATE: 03/20/97

TIME: 18:05:48

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
50.00	1306.6	1031.5	145.05	2.8200	1.707
51.00	1307.6	1032.6	145.05	2.7843	1.710
52.00	1308.9	1033.9	145.04	2.7500	1.713
53.00	1309.9	1034.9	145.07	2.7170	1.716
54.00	1310.9	1035.9	145.08	2.6852	1.719
55.00	1312.1	1037.0	145.07	2.6545	1.721
56.00	1313.0	1037.9	145.08	2.6250	1.724
57.00	1314.0	1039.0	145.07	2.5965	1.727
58.00	1315.0	1039.9	145.08	2.5690	1.729
59.00	1315.9	1040.8	145.08	2.5424	1.732
60.00	1316.7	1041.7	145.08	2.5167	1.734
61.00	1317.7	1042.6	145.09	2.4918	1.736
62.00	1318.5	1043.4	145.08	2.4677	1.738
63.00	1319.4	1044.3	145.09	2.4444	1.741
64.00	1320.2	1045.1	145.10	2.4219	1.743
65.00	1320.8	1045.7	145.09	2.4000	1.744
66.00	1321.5	1046.5	145.11	2.3788	1.746
67.00	1322.4	1047.3	145.09	2.3582	1.749
68.00	1323.1	1048.0	145.10	2.3382	1.751
69.00	1323.8	1048.7	145.11	2.3188	1.752
70.00	1324.4	1049.3	145.11	2.3000	1.754
71.00	1325.2	1050.1	145.12	2.2817	1.756
72.00	1325.9	1050.8	145.12	2.2639	1.758
73.00	1326.5	1051.4	145.13	2.2466	1.759
74.00	1327.1	1052.0	145.14	2.2297	1.761
75.00	1327.7	1052.6	145.14	2.2133	1.763
76.00	1328.3	1053.2	145.15	2.1974	1.764
77.00	1328.8	1053.8	145.15	2.1818	1.766
78.00	1329.4	1054.3	145.15	2.1667	1.767
79.00	1329.9	1054.8	145.15	2.1519	1.769
80.00	1330.5	1055.5	145.15	2.1375	1.770
81.00	1331.2	1056.1	145.17	2.1235	1.772
82.00	1331.5	1056.5	145.17	2.1098	1.773
83.00	1332.1	1057.0	145.17	2.0964	1.774
84.00	1332.5	1057.4	145.19	2.0833	1.775
85.00	1333.0	1057.9	145.19	2.0706	1.777
86.00	1333.5	1058.4	145.20	2.0581	1.778
87.00	1333.9	1058.9	145.20	2.0460	1.779
88.00	1334.4	1059.3	145.17	2.0341	1.781
89.00	1334.9	1059.8	145.22	2.0225	1.782
90.00	1335.4	1060.4	145.20	2.0111	1.783
91.00	1335.8	1060.8	145.22	2.0000	1.784
92.00	1336.2	1061.1	145.21	1.9891	1.785
93.00	1336.8	1061.7	145.23	1.9785	1.787
94.00	1337.1	1062.0	145.23	1.9681	1.788
95.00	1337.5	1062.5	145.24	1.9579	1.789
96.00	1338.0	1062.9	145.24	1.9479	1.790
97.00	1338.3	1063.3	145.25	1.9381	1.791
98.00	1338.7	1063.6	145.27	1.9286	1.792
99.00	1339.1	1064.0	145.26	1.9192	1.793
100.00	1339.4	1064.3	145.29	1.9100	1.794

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9916 DST #5 Krey #2-36 Berexco Inc.

DATE: 03/20/97

TIME: 18:05:48

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	101.00	1339.8	1064.7	145.30	1.9010	1.795
	102.00	1340.2	1065.1	145.28	1.8922	1.796
	103.00	1340.5	1065.5	145.30	1.8835	1.797
	104.00	1340.8	1065.7	145.32	1.8750	1.798
	105.00	1341.2	1066.1	145.31	1.8667	1.799
	106.00	1341.6	1066.5	145.31	1.8585	1.800
	107.00	1341.9	1066.9	145.30	1.8505	1.801
	108.00	1342.3	1067.2	145.33	1.8426	1.802
	109.00	1342.5	1067.4	145.34	1.8349	1.802
	110.00	1342.8	1067.7	145.33	1.8273	1.803
	111.00	1343.1	1068.0	145.35	1.8198	1.804
	112.00	1343.3	1068.3	145.35	1.8125	1.805
	113.00	1343.8	1068.7	145.37	1.8053	1.806
	114.00	1344.0	1069.0	145.37	1.7982	1.806
	115.00	1344.3	1069.2	145.38	1.7913	1.807
***** End Shut-in 2	116.00	1344.5	1069.5	145.38	1.7845	1.808
***** Final Hydro.	415.00	2631.3	0.0	145.45		

TEST HISTORY

9916 DST #5 Krey #2-36 Berexco Inc.

Flag Points

t(Min.) PK PSig)

R:	0.00	2650.66
B:	0.00	77.21
C:	31.00	146.51
D:	59.00	1352.22
E:	0.00	151.89
F:	60.00	275.07
G:	116.00	1344.53
Q:	0.00	2631.27

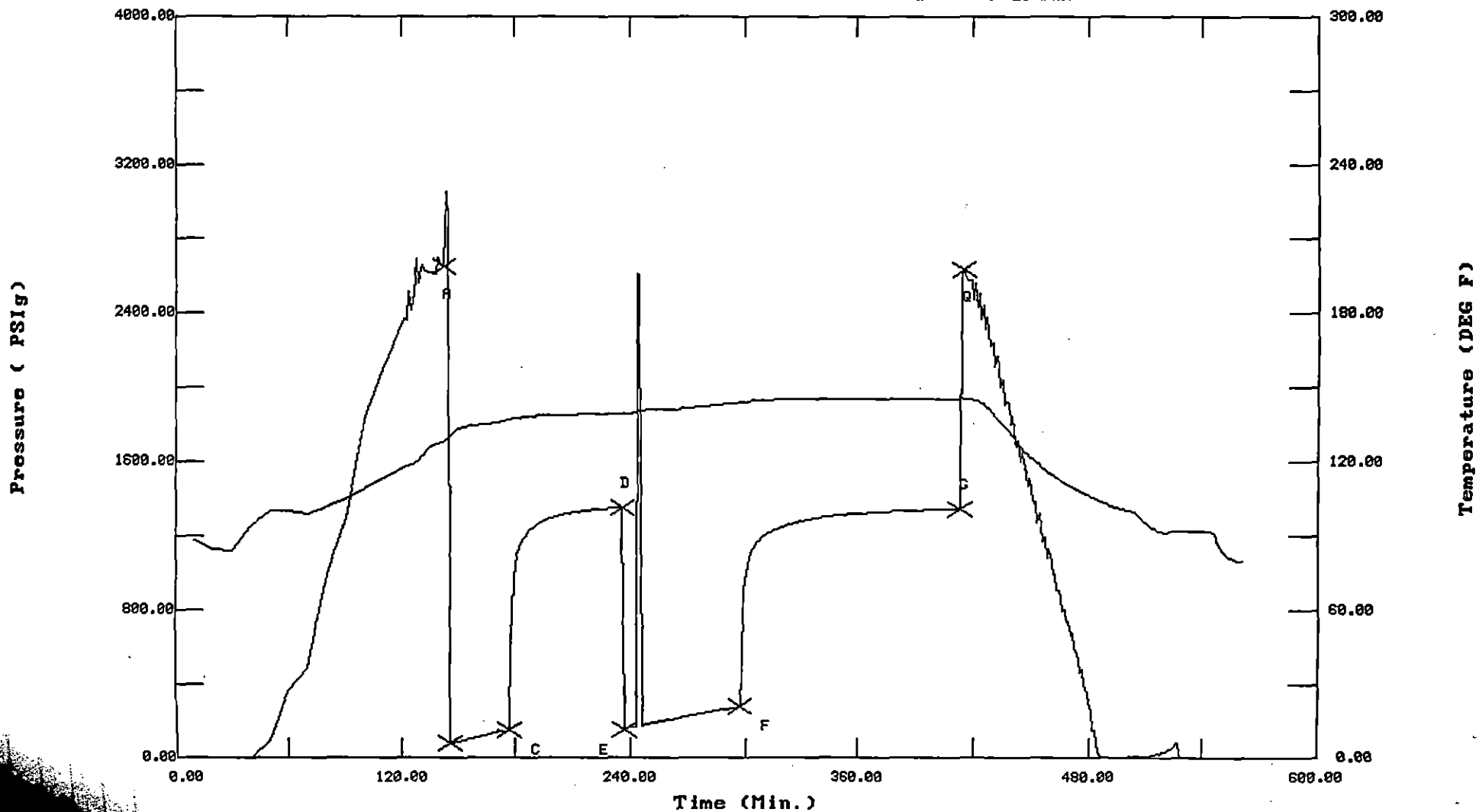
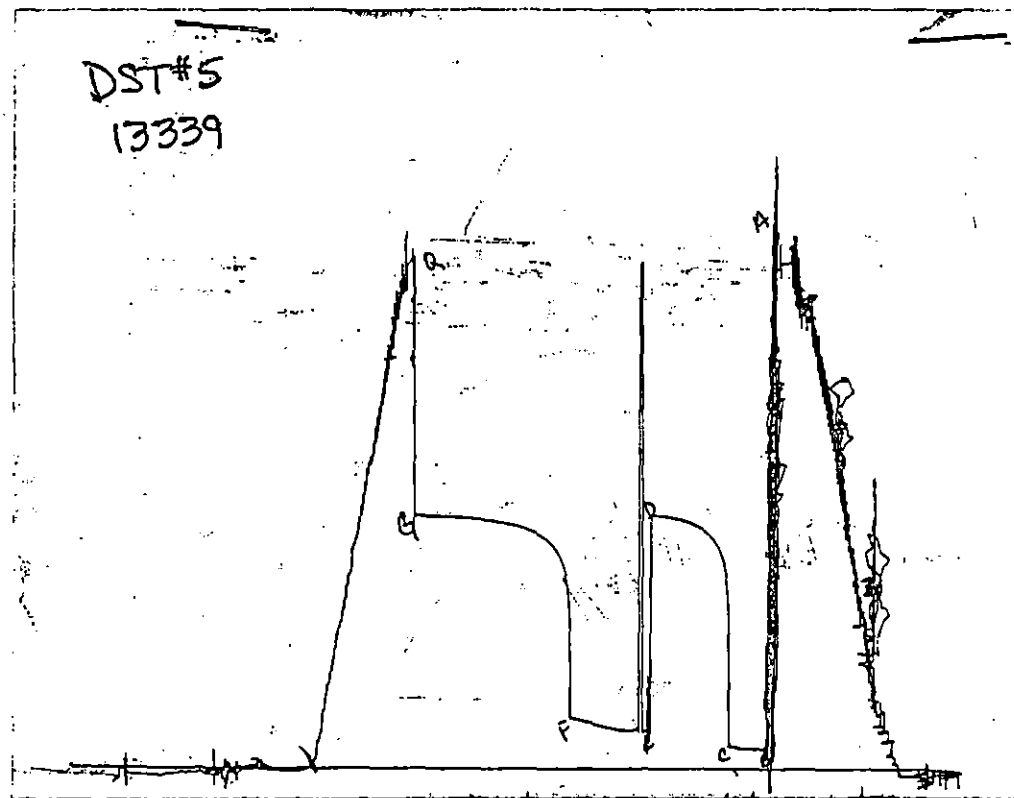


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 9916

Well Name & No. Krey #2-36 Test No. 5 Date 3-20-97
Company Berexco, Inc. Zone Tested Spergen
Address 970 Fourth Financial Ctr. Wichita, KS. 67202 Elevation 3421 KB 3409 GL
Co. Rep / Geo. Dave Lowe Cont. Berexco #1 Est. Ft. of Pay Por. %
Location: Sec. 36 Twp. 32^S Rge. 41^W Co. Morton State KS.
No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5507 - 5520 Initial Str Wt./Lbs. 110,000 Unseated Str Wt./Lbs. 110,000
Anchor Length 13' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 150,000
Top Packer Depth 5502 Tool Weight 1,800
Bottom Packer Depth 5507 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 5520 Wt. Pipe Run Drill Collar Run 4 1/2" H-90 636
Mud Wt. 8.7 LCM 4#/bbl. Vis. 54 WL 8.0 Drill Pipe Size 4 1/2" XH Ft. Run 4859'
Blow Description TE: Tool Slid 7' Surface blow built to 6"

IST: Bled off blow - no return.

FF: No return - flushed tool / good surge - surface return in 14 mins built to 4" EST: No return blow.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>286'</u>	Feet Of <u>Drlg. Mud</u>						
Rec. <u>270'</u>	Feet Of <u>MW</u>					<u>80</u>	<u>20</u>

BHT 145° °F Gravity °API @ °F Corrected Gravity °API

RW -24 @ 70 °F Chlorides 30,000 ppm Recovery Chlorides 1,100 ppm System

(A) Initial Hydrostatic Mud	<u>2622</u> <u>2650</u> PSI	Recorder No. <u>2341</u>	T-Started <u>1805</u>
(B) First Initial Flow Pressure	<u>72</u> <u>77</u> PSI	(depth) <u>5510</u>	T-Open <u>2030</u>
(C) First Final Flow Pressure	<u>83</u> <u>146</u> PSI	Recorder No. <u>13339</u>	T-Pulled <u>0100</u>
(D) Initial Shut-in Pressure	<u>1271</u> <u>1352</u> PSI	(depth) <u>5515</u>	T-Out <u>0330</u>
(E) Second Initial Flow Pressure	<u>145</u> <u>151</u> PSI	Recorder No. <u> </u>	
(F) Second Final Flow Pressure	<u>207</u> <u>275</u> PSI	(depth) <u> </u>	
(G) Final Shut-in Pressure	<u>1271</u> <u>1344</u> PSI	Initial Opening <u>30</u>	Test <u> </u>
(H) Final Hydrostatic Mud	<u>2612</u> <u>2631</u> PSI	Initial Shut-in <u>60</u>	Jars <u>X</u>

AK-1 Aip. Final Flow 60 Safety Joint X

Final Shut-in 120 Straddle

Circ. Sub X NIC

Sampler

Extra Packer

Elect. Rec. X

Other

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 D. O. B. A.

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9915 DST #4 Krey #2-36 Berexco Inc.

DATE: 03/19/97

TIME: 07:30:22

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
52.00	943.6	888.3	139.26	2.7500	0.890
53.00	950.6	895.3	139.27	2.7170	0.904
54.00	957.2	901.9	139.31	2.6852	0.916
55.00	963.8	908.5	139.32	2.6545	0.929
56.00	970.0	914.7	139.33	2.6250	0.941
57.00	976.1	920.8	139.35	2.5965	0.953
58.00	982.4	927.1	139.38	2.5690	0.965
59.00	988.2	932.9	139.37	2.5424	0.977
60.00	994.0	938.7	139.40	2.5167	0.988
61.00	999.6	944.3	139.43	2.4918	0.999
62.00	1005.2	949.9	139.45	2.4677	1.010
63.00	1010.6	955.3	139.46	2.4444	1.021
64.00	1015.8	960.5	139.47	2.4219	1.032
65.00	1021.1	965.8	139.50	2.4000	1.043
66.00	1025.9	970.6	139.52	2.3788	1.052
67.00	1030.8	975.5	139.54	2.3582	1.063
68.00	1035.6	980.3	139.55	2.3382	1.072
69.00	1040.2	984.9	139.59	2.3188	1.082
70.00	1044.8	989.5	139.59	2.3000	1.092
71.00	1049.4	994.1	139.60	2.2817	1.101
72.00	1053.8	998.5	139.63	2.2639	1.111
73.00	1058.1	1002.8	139.64	2.2466	1.120
74.00	1062.3	1007.0	139.68	2.2297	1.128
75.00	1066.4	1011.1	139.68	2.2133	1.137
76.00	1070.3	1015.0	139.71	2.1974	1.146
77.00	1074.3	1019.0	139.72	2.1818	1.154
78.00	1078.2	1022.9	139.75	2.1667	1.163
79.00	1082.0	1026.7	139.75	2.1519	1.171
80.00	1085.8	1030.5	139.79	2.1375	1.179
81.00	1089.4	1034.1	139.81	2.1235	1.187
82.00	1093.0	1037.7	139.83	2.1098	1.195
83.00	1096.5	1041.2	139.84	2.0964	1.202
84.00	1100.0	1044.7	139.86	2.0833	1.210
85.00	1103.5	1048.2	139.86	2.0706	1.218
86.00	1106.8	1051.5	139.89	2.0581	1.225
87.00	1110.1	1054.8	139.92	2.0460	1.232
88.00	1113.3	1058.0	139.94	2.0341	1.239
89.00	1116.5	1061.2	139.94	2.0225	1.247
90.00	1119.6	1064.3	139.97	2.0111	1.254
91.00	1122.7	1067.4	140.00	2.0000	1.261
92.00	1125.7	1070.5	140.01	1.9891	1.267
93.00	1128.6	1073.3	140.03	1.9785	1.274
94.00	1131.4	1076.1	140.04	1.9681	1.280
95.00	1134.3	1079.0	140.05	1.9579	1.287
96.00	1137.0	1081.7	140.08	1.9479	1.293
97.00	1139.9	1084.6	140.09	1.9381	1.299
98.00	1142.6	1087.3	140.11	1.9286	1.306
99.00	1145.2	1089.9	140.12	1.9192	1.312
100.00	1147.8	1092.5	140.14	1.9100	1.317
101.00	1150.4	1095.1	140.16	1.9010	1.323
102.00	1152.9	1097.6	140.19	1.8922	1.329

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9915 DST #4 Krey #2-36 Berexco Inc.

DATE: 03/19/97

TIME: 07:30:22

	Time	Pressure PSIg	delta P PSIg	P	Temp. DEG F	(T+dT)/dT	P^2/10^6
	103.00	1155.3	1100.0		140.19	1.8835	1.335
	104.00	1157.7	1102.4		140.21	1.8750	1.340
	105.00	1160.1	1104.9		140.23	1.8667	1.346
	106.00	1162.5	1107.2		140.24	1.8585	1.351
	107.00	1164.7	1109.4		140.26	1.8505	1.357
	108.00	1167.0	1111.7		140.29	1.8426	1.362
	109.00	1169.2	1113.9		140.30	1.8349	1.367
	110.00	1171.4	1116.1		140.34	1.8273	1.372
	111.00	1173.4	1118.1		140.26	1.8198	1.377
	112.00	1175.5	1120.2		140.35	1.8125	1.382
	113.00	1177.7	1122.4		140.36	1.8053	1.387
	114.00	1179.6	1124.3		140.39	1.7982	1.392
	115.00	1181.7	1126.4		140.40	1.7913	1.396
	116.00	1183.7	1128.4		140.40	1.7845	1.401
	117.00	1185.8	1130.5		140.44	1.7778	1.406
	118.00	1187.6	1132.3		140.45	1.7712	1.410
	119.00	1189.4	1134.1		140.45	1.7647	1.415
***** End Shut-in 2	120.00	1191.3	1136.0		140.47	1.7583	1.419
***** Final Hydro.	414.00	2562.8	0.0		140.57		

TEST HISTORY

9915 DST #4 Krey #2-36 Berexco Inc.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	2618.54
B:	0.00	20.02
C:	33.00	37.83
D:	57.00	1049.69
E:	0.00	35.75
F:	58.00	55.30
G:	128.00	1191.25
Q:	0.00	2562.84

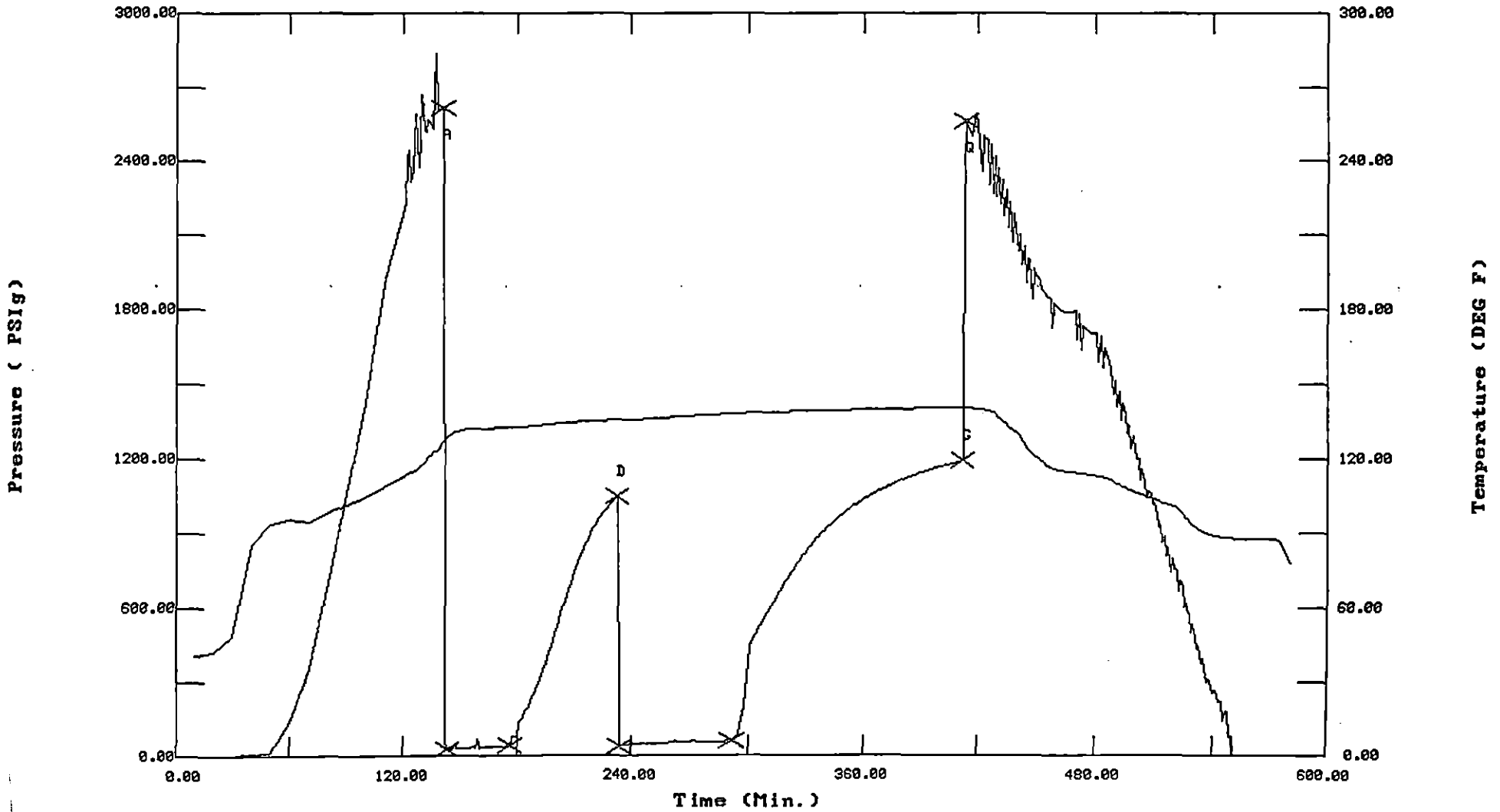
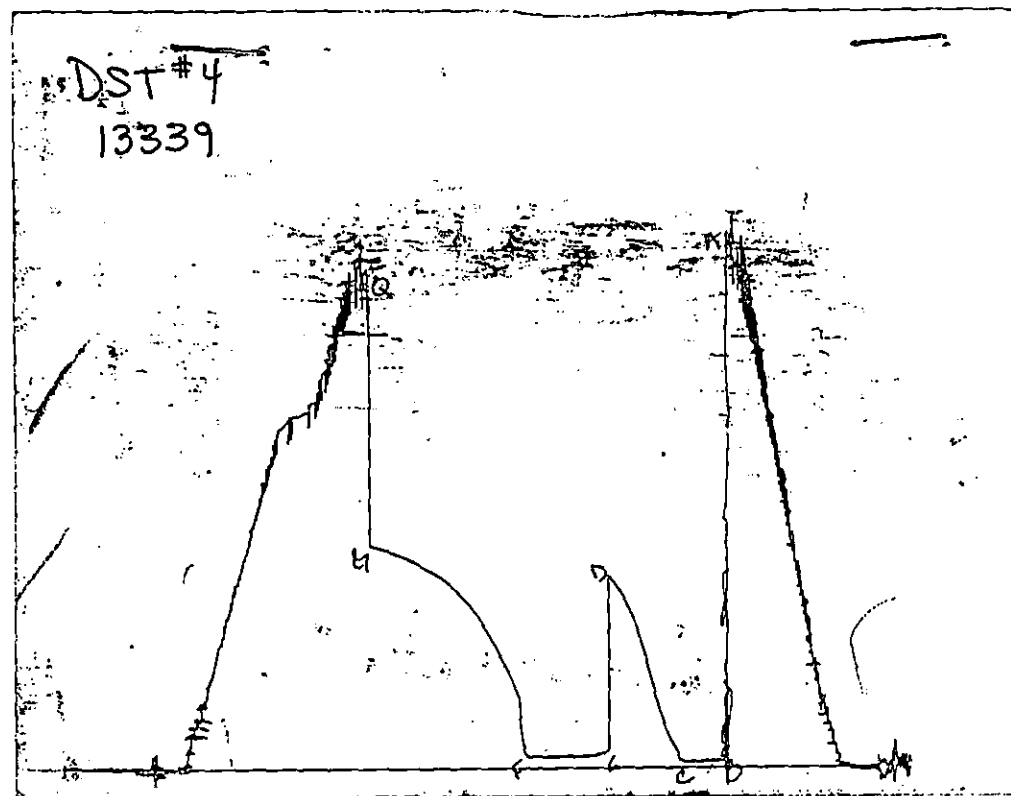


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9915 DST #4 Krey #2-36 Berexco Inc.

DATE: 03/19/97 TIME: 07:30:22 .

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	141.00	2618.5	0.0	127.18		
***** Start Flow 1	0.00	20.0	0.0	128.59		
	1.00	21.2	1.2	129.26		
	2.00	24.8	4.7	129.77		
	3.00	24.3	4.2	130.20		
	4.00	46.7	26.7	130.56		
	5.00	26.1	6.1	130.83		
	6.00	26.2	6.2	131.03		
	7.00	26.7	6.7	131.18		
	8.00	27.2	7.2	131.34		
	9.00	27.5	7.5	131.50		
	10.00	27.6	7.6	131.68		
	11.00	28.6	8.6	131.78		
	12.00	29.2	9.1	131.85		
	13.00	29.2	9.2	131.91		
	14.00	30.7	10.7	131.97		
	15.00	30.1	10.1	132.01		
	16.00	66.0	45.9	132.04		
	17.00	29.3	9.3	132.07		
	18.00	34.5	14.5	132.09		
	19.00	31.4	11.4	132.12		
	20.00	32.2	12.2	132.13		
	21.00	32.6	12.6	132.15		
	22.00	32.6	12.6	132.18		
	23.00	32.8	12.7	132.21		
	24.00	32.9	12.9	132.23		
	25.00	33.3	13.3	132.25		
	26.00	33.2	13.2	132.25		
	27.00	35.3	15.3	132.28		
	28.00	32.7	12.7	132.30		
	29.00	33.9	13.8	132.31		
	30.00	34.4	14.4	132.34		
	31.00	35.9	15.9	132.40		
	32.00	36.9	16.9	132.42		
***** End Flow 1	33.00	37.8	17.8	132.44		
***** Start Shutin 1	0.00	37.8	0.0	132.44	0.0000	0.001
	1.00	74.8	37.0	132.54	34.0000	0.006
	2.00	75.6	37.7	132.52	17.5000	0.006
	3.00	76.7	38.9	132.61	12.0000	0.006
	4.00	77.8	39.9	132.63	9.2500	0.006
	5.00	136.9	99.0	132.66	7.6000	0.019
	6.00	149.2	111.4	132.68	6.5000	0.022
	7.00	161.8	124.0	132.72	5.7143	0.026
	8.00	175.0	137.2	132.77	5.1250	0.031
	9.00	189.2	151.3	132.81	4.6667	0.036
	10.00	204.1	166.3	132.85	4.3000	0.042
	11.00	219.3	181.5	132.90	4.0000	0.048
	12.00	235.2	197.3	132.96	3.7500	0.055
	13.00	251.9	214.1	133.03	3.5385	0.063
	14.00	269.8	232.0	133.11	3.3571	0.073
	15.00	288.4	250.5	133.19	3.2000	0.083

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

EST: 9915 DST #4 Krey #2-36 Berexco Inc.

DATE: 03/19/97

TIME: 07:30:22

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
16.00	308.2	270.4	133.30	3.0625	0.095
17.00	329.0	291.2	133.39	2.9412	0.108
18.00	350.7	312.9	133.51	2.8333	0.123
19.00	373.5	335.6	133.61	2.7368	0.139
20.00	397.1	359.3	133.70	2.6500	0.158
21.00	421.6	383.7	133.78	2.5714	0.178
22.00	446.8	409.0	133.85	2.5000	0.200
23.00	472.7	434.9	133.93	2.4348	0.223
24.00	498.9	461.0	134.00	2.3750	0.249
25.00	525.1	487.3	134.07	2.3200	0.276
26.00	551.6	513.8	134.12	2.2692	0.304
27.00	577.8	540.0	134.19	2.2222	0.334
28.00	603.7	565.9	134.25	2.1786	0.364
29.00	629.3	591.4	134.30	2.1379	0.396
30.00	654.1	616.3	134.36	2.1000	0.428
31.00	678.4	640.5	134.41	2.0645	0.460
32.00	701.7	663.8	134.47	2.0312	0.492
33.00	724.1	686.3	134.51	2.0000	0.524
34.00	745.6	707.8	134.56	1.9706	0.556
35.00	766.2	728.4	134.62	1.9429	0.587
36.00	785.9	748.1	134.67	1.9167	0.618
37.00	804.5	766.7	134.71	1.8919	0.647
38.00	822.5	784.6	134.75	1.8684	0.676
39.00	839.5	801.7	134.79	1.8462	0.705
40.00	855.9	818.0	134.84	1.8250	0.733
41.00	871.5	833.6	134.88	1.8049	0.759
42.00	886.5	848.6	134.93	1.7857	0.786
43.00	900.7	862.8	134.96	1.7674	0.811
44.00	914.4	876.6	134.98	1.7500	0.836
45.00	927.4	889.5	135.00	1.7333	0.860
46.00	939.9	902.1	135.01	1.7174	0.883
47.00	951.9	914.0	135.05	1.7021	0.906
48.00	963.3	925.5	135.10	1.6875	0.928
49.00	974.3	936.5	135.15	1.6735	0.949
50.00	984.8	947.0	135.21	1.6600	0.970
51.00	995.0	957.2	135.22	1.6471	0.990
52.00	1004.4	966.6	135.28	1.6346	1.009
53.00	1013.8	976.0	135.32	1.6226	1.028
54.00	1022.9	985.1	135.37	1.6111	1.046
55.00	1031.5	993.7	135.41	1.6000	1.064
56.00	1040.0	1002.1	135.45	1.5893	1.081
57.00	1049.7	1011.9	135.47	1.5789	1.102

***** End Shut-in 1

***** Start Flow 2

0.00	35.7	0.0	135.41
1.00	40.2	4.5	135.42
2.00	42.0	6.2	135.42
3.00	41.0	5.3	135.45
4.00	41.3	5.5	135.45
5.00	42.1	6.3	135.47
6.00	42.9	7.1	135.51
7.00	42.9	7.2	135.54
8.00	43.1	7.3	135.60

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9915 DST #4 Krey #2-36 Berexco Inc.

DATE: 03/19/97

TIME: 07:30:22

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
9.00	43.4	7.6	135.65		
10.00	43.3	7.6	135.70		
11.00	44.7	8.9	135.74		
12.00	44.8	9.1	135.80		
13.00	44.9	9.2	135.85		
14.00	45.2	9.5	135.89		
15.00	45.7	9.9	135.93		
16.00	45.8	10.0	135.97		
17.00	45.8	10.1	136.02		
18.00	45.9	10.2	136.06		
19.00	46.3	10.6	136.11		
20.00	46.4	10.7	136.15		
21.00	46.7	10.9	136.19		
22.00	46.5	10.7	136.24		
23.00	46.7	11.0	136.28		
24.00	47.1	11.3	136.33		
25.00	48.0	12.2	136.38		
26.00	49.3	13.5	136.42		
27.00	52.2	16.4	136.48		
28.00	53.4	17.7	136.53		
29.00	55.6	19.8	136.57		
30.00	50.1	14.3	136.62		
31.00	50.7	15.0	136.66		
32.00	51.9	16.1	136.72		
33.00	52.3	16.5	136.77		
34.00	51.8	16.1	136.81		
35.00	50.8	15.0	136.87		
36.00	52.4	16.7	136.91		
37.00	53.4	17.6	136.96		
38.00	55.6	19.8	137.01		
39.00	59.5	23.8	137.04		
40.00	53.0	17.3	137.09		
41.00	53.0	17.3	137.12		
42.00	53.3	17.6	137.15		
43.00	53.6	17.8	137.20		
44.00	53.4	17.7	137.24		
45.00	52.9	17.2	137.29		
46.00	52.4	16.7	137.35		
47.00	54.1	18.4	137.39		
48.00	53.3	17.6	137.44		
49.00	53.1	17.3	137.48		
50.00	54.2	18.4	137.52		
51.00	54.1	18.4	137.56		
52.00	54.3	18.5	137.62		
53.00	53.2	17.4	137.66		
54.00	54.6	18.8	137.71		
55.00	55.1	19.3	137.76		
56.00	55.6	19.9	137.80		
57.00	60.7	24.9	137.84		
58.00	55.3	19.6	137.89		

***** End Flow 2

***** Start Shutin 2 0.00 55.3 0.0 137.89 0.0000 0.003

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9915 DST #4 Krey #2-36 Berexco Inc.

DATE: 03/19/97

TIME: 07:30:22

Time	Pressure PSig	delta P PSig	P	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
1.00	61.9	6.6	137.94	92.0000	0.004	
2.00	77.7	22.4	137.98	46.5000	0.006	
3.00	90.7	35.4	138.03	31.3333	0.008	
4.00	124.5	69.2	138.09	23.7500	0.016	
5.00	165.3	110.0	138.13	19.2000	0.027	
6.00	201.2	145.9	138.19	16.1667	0.040	
7.00	259.6	204.3	138.23	14.0000	0.067	
8.00	382.7	327.4	138.26	12.3750	0.146	
9.00	444.3	389.0	138.35	11.1111	0.197	
10.00	459.4	404.1	138.41	10.1000	0.211	
11.00	474.5	419.2	138.43	9.2727	0.225	
12.00	489.4	434.1	138.47	8.5833	0.240	
13.00	504.5	449.2	138.51	8.0000	0.254	
14.00	519.2	463.9	138.54	7.5000	0.270	
15.00	534.1	478.8	138.56	7.0667	0.285	
16.00	548.7	493.4	138.58	6.6875	0.301	
17.00	563.4	508.1	138.61	6.3529	0.317	
18.00	577.9	522.6	138.62	6.0556	0.334	
19.00	592.4	537.1	138.63	5.7895	0.351	
20.00	606.5	551.2	138.67	5.5500	0.368	
21.00	620.6	565.3	138.68	5.3333	0.385	
22.00	634.5	579.2	138.70	5.1364	0.403	
23.00	648.3	593.0	138.72	4.9565	0.420	
24.00	661.8	606.5	138.74	4.7917	0.438	
25.00	675.2	619.9	138.77	4.6400	0.456	
26.00	688.4	633.1	138.77	4.5000	0.474	
27.00	701.3	646.0	138.81	4.3704	0.492	
28.00	714.0	658.7	138.82	4.2500	0.510	
29.00	726.4	671.1	138.84	4.1379	0.528	
30.00	738.9	683.6	138.86	4.0333	0.546	
31.00	750.7	695.4	138.88	3.9355	0.564	
32.00	762.5	707.2	138.90	3.8438	0.581	
33.00	773.9	718.6	138.92	3.7576	0.599	
34.00	785.0	729.7	138.94	3.6765	0.616	
35.00	795.9	740.6	138.97	3.6000	0.633	
36.00	806.5	751.2	138.98	3.5278	0.650	
37.00	816.8	761.6	138.99	3.4595	0.667	
38.00	826.8	771.5	139.02	3.3947	0.684	
39.00	836.7	781.4	139.02	3.3333	0.700	
40.00	846.2	790.9	139.06	3.2750	0.716	
41.00	855.5	800.2	139.08	3.2195	0.732	
42.00	864.5	809.2	139.20	3.1667	0.747	
43.00	873.4	818.1	139.11	3.1163	0.763	
44.00	882.0	826.7	139.12	3.0682	0.778	
45.00	890.5	835.2	139.15	3.0222	0.793	
46.00	898.6	843.3	139.16	2.9783	0.807	
47.00	906.5	851.2	139.17	2.9362	0.822	
48.00	914.4	859.1	139.19	2.8958	0.836	
49.00	921.9	866.6	139.21	2.8571	0.850	
50.00	929.4	874.1	139.23	2.8200	0.864	
51.00	936.6	881.3	139.25	2.7843	0.877	

TRILOBITE TESTING L.L.C.

OPERATOR : Berexco Inc.

DATE 3-19-97

WELL NAME: Krey #2-36
 LOCATION : 36-32S-41W Morton KS
 INTERVAL : 5379.00 To 5390.00 ft

KB 3421.00 ft TICKET NO: 9915 DST #4
 GR 3409.00 ft FORMATION: St. Louis
 TD 5390.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	2341			PF Fr. 0952 to 1022 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1022 to 1122 hr
SF 60 Clock(hrs)	12 HR	12 HR	Elec			SF Fr. 1122 to 1222 hr
FS 120 Depth(ft)	5387.0	5387.0	5381.0	0.0	0.0	FS Fr. 1222 to 1422 hr

	Field	1	2	3	4	
A. Init Hydro	2711.0	2805.0	2618.0	0.0	0.0	T STARTED 0730 hr
B. First Flow	31.0	49.0	20.0	0.0	0.0	T ON BOTM 0947 hr
Bl. Final Flow	31.0	55.0	38.0	0.0	0.0	T OPEN 0952 hr
C. In Shut-in	1020.0	1020.0	1050.0	0.0	0.0	T PULLED 1422 hr
D. Init Flow	52.0	94.0	36.0	0.0	0.0	T OUT 1715 hr
E. Final Flow	52.0	71.0	55.0	0.0	0.0	
F. Fl Shut-in	1160.0	1175.0	1191.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2593.0	2611.0	2563.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 135000.00 lbs
						Initial Str Wt 110000.00 lbs
						Unseated Str Wt 110000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 636.00 ft
						D.P. Length 4734.00 ft

RECOVERY

Tot Fluid 90.00 ft of 90.00 ft in DC and 0.00 ft in DP
 90.00 ft of Drilling. Mud W/Show of Green Oil @ Top
 546.00 ft of Gas In Pipe
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow -
 Weak surface blow surging - built to 3"

Initial Shut-in -
 Bled off blow - no return

Final Flow -
 Fair blow built to 4" in 5 minutes built slowly to 7" @ final

Final Shut-in -
 Bled off blow - no return

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/c
Vis.	58.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	140.00 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 Rod Steinbrink
 Co. Rep. Dave Lowe
 Contr. Beredco
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Krey #2-36

LOCATION : 36-32S-41W Morton KS

TICKET No. 9915 D.S.T. No. 4 DATE 3-19-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 11

BOTTOM PACKERS AND ANCHOR

TOTAL TOOL 38

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 38

D.C. ABOVE TOOLS.Stands7 Single Total 636

D.P. ABOVE TOOLS.Stands50 Single 2 Total 4734

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5407'

TOTAL DEPTH 5390

TOTAL DRILL PIPE ABOVE K.B. 17

REMARKS:

P.O. SUB 1' Above 90' DC	5262
C.O. SUB 1'	5352
S.I. TOOL 5'	5358
HMV 5'	5363
JARS 5'	5368
SAFETY JOINT 2'	5370
PACKER 4'	5374
PACKER 5'	5379
DEPTH	
STUBB 1'	5380
ANCHOR	
Alp. Rec. @	5381
5' Perf	5385
T.C.	
DEPTH	
AK-1 Rec. @	5387
BULLNOSE 5'	
T.D.	5390