Ricketts Testing, Inc.

Company HARRIS OIL & GAS CO. Lease & Well No. ARTHUR DRACH #1-12

Elevation 1890 K.B. Formation KANSAS CITY J & K Ticket No. 2198

Date 8-18-04 Sec. 12 Twp. 22S Range 13W County STAFFORD State KS

Test Approved by _____ Ricketts Representative JIM RICKETTS

Formation Test No. 4 Interval Tested from 3486 ft. to 3550 ft. Total Depth 3550 ft.

Packer Depth 3486 ft Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3483 ft Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3491 ft. Recorder Number 11027 Cap. 4625

Bottom Recorder Depth (Outside) 3494 ft. Recorder Number Z43 Cap. 6000

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor ACE DRILLING RIG #1 Drill Collar Length 425 I.D. 2.25 in.

Mud Type CHEMICAL Viscosity 52 Weight Pipe Length _____ I.D. _____ in.

Weight 8.8 Water Loss 9.2 cc. Drill Pipe Length 3034 I.D. 3.25 in.

Chlorides 7000 P.P.M. Test Tool Length 27 ft. Tool Size. 5½ in.

Jars: Make STERLING Serial Number 404 Anchor Length 64 ft. Size 5½ in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Gravity Oil 39° Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: STRONG BLOW IN 1½ MINUTES INITIAL FLOW PERIOD. GAS TO SURFACE IN 15 MINUTES.
STRONG BLOW FINAL FLOW PERIOD. GAUGED 75,100 CFPD TO 69,500 CFPD.

Recovered 372 ft. of FREE OIL.

Recovered 62 ft. of SLIGHTLY MUD & GAS CUT OIL. 15% MUD 50% OIL 35% GAS

Recovered 120 ft. of OIL & MUD CUT GAS. 20% MUD 20% OIL 60% GAS

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s) 5:30 P M. Time Started Off Bottom 9:45 P M. Maximum Temperature 108°

Initial Hydrostatic Pressure	(A)	1689	P.S.I.	
Initial Flow Period Minutes 15	(B)	87	P.S.I.	to
	(C)	120	P.S.I.	
Initial Closed In Period Minutes 60	(D)	851	P.S.I.	
Final Flow Period Minutes 60	(E)	85	P.S.I.	to
	(F)	149	P.S.I.	
Final Closed In Period Minutes 120	(G)	819	P.S.I.	
Final Hydrostatic Pressure	(H)	1598	P.S.I.	

Ricketts Testing

GAS FLOW REPORT

Date 8-18-04 Ticket 2198 Company HARRIS OIL & GAS CO.

Well Name and No. ARTHUR DRACH #1-12 Dst No. 4 Interval Tested 3486 - 3550

County STAFFORD State KS Sec. 12 Twp. 22S Rg. 13W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
			PRE FLOW			GAS TO SURFACE IN 15 MINUTES
3/4" ORIFICE			**SECOND FLOW**			
6:55	10	28 IOW				75,100 CFPD
7:05	20	28 IOW				75,100 CFPD
7:15	30	26 IOW				72,400 CFPD
7:25	40	26 IOW				72,400 CFPD
7:35	50	24 IOW				69,500 CFPD
7:45	60	24 IOW				69,500 CFPD

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure steel gas bottles. Ricketts Testing shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Ricketts Testing within thirty (30) days free of charge or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

FORM 8

Pressure Test Report

COMPANY INFORMATION

Company Name	Harris Oil & Gas Co.
Representative	Jeff Zollar
Phone	
Fax	
Address	
E-Mail Address	
Service Company	

WELL INFORMATION

Well Name	Arthur Drach 1-12
Well Location	12-22S-13W SW NE NE
Field and Pool	Wildcat
Status (Oil, Gas, Water, Injection)	Oil & Gas
Perforated Intervals	
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	Ace Drlg. Rig #1
Elevations	
Kelly Bushing (KB)	1890 KB
Casing Flange (CF)	
KB-CF	
Ground Level	1887 GL
Plug Back Total Depth	
Total Depth	3550'
Production Casing	
Production Tubing	

TEST INFORMATION

Type of Test	DST#4 3486' to 3550'
Date(s) of Test	8-18-2004
Dead-weight Gauge Tubing Pressure	
Dead-weight Gauge Casing Pressure	
Shut-in Date (Duration)	8-18-2004
Date / Time on Bottom	8-18-2004 @5:30 PM
Date / Time off Bottom	8-18-2004 @ 9:45 Pm
Probe Serial Number	Z43
Probe Offset from End of Tool String	
Run Depth at Probe Pressure Port	3491'

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	1771.8 psig
Maximum Recorded Probe Temperature	109.7 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

PROBE INFORMATION

Probe Serial Number	Z43
Model	Level II
Pressure	
Calibrated Pressure Range	0.0 - 6000.0 psig
Accuracy	0.05% FS
Resolution	0.0015% FS
Temperature	
Calibrated Temperature Range	-2.7 - 303.7 deg F
Accuracy	0.25% FS
Resolution	0.002% FS
Calibration File Used for Reports	Z43DE26A.CAL

PROGRAMMING DETAILS

Step	Sample Mode	Period	Duration	Comment
0	Pause	5 seconds	25 seconds	Test mode
1	Pressure Trigger	30 seconds	indefinite	Trig @ 20 psi
2	Normal	3 minutes	45 minutes	
3	Overrun	15 seconds	end of memory	Fill remaining memory

Program Start Time	Aug 18/2004 @ 15:34:29
Program End Time	Aug 19/2004 @ 01:57:14
Total Samples Taken	2327
Usage for this Test	0.0840 Ah
Generic Data File Name	Z43AU19A.GEN

Company Name	Harris Oil & Gas Co.
Well Name	Arthur Drach 1-12
Type of Test	DST#4 3486' to 3550'
Date(s) of Test	8-18-2004

Ricketts Testing

COMMENTS

Reported By James Ricketts

Strong Blow 1 1/2 mins. inital flow period.Gas to surface 15 Mins. inital flow period.Strong blow final flow period Gauge gas at 75,100 CFPD to 69,500 CFPD Recovery, 372' free oil ,62' Slightly mud & gas cut oil 15% mud 50% oil 35% gas, 120' oil & mud cut gas 20% mud 20% oil 60% gas. 39 GR on oil

Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2004/08/18	15:34:29	0.0000	56.714	101.698
2004/08/18	15:40:29	0.1000	95.062	98.350
2004/08/18	15:46:29	0.2000	151.984	96.674
2004/08/18	15:52:29	0.3000	180.563	95.679
2004/08/18	15:55:29	0.3500	179.450	95.288
2004/08/18	15:58:29	0.4000	215.056	94.948
2004/08/18	16:01:29	0.4500	244.461	94.645
2004/08/18	16:04:29	0.5000	335.842	94.312
2004/08/18	16:07:29	0.5500	380.290	94.023
2004/08/18	16:10:29	0.6000	444.754	93.781
2004/08/18	16:13:29	0.6500	450.066	93.643
2004/08/18	16:16:29	0.7000	503.572	93.571
2004/08/18	16:19:29	0.7500	604.135	93.580
2004/08/18	16:20:29	0.7667	611.512	93.596
2004/08/18	16:22:29	0.8000	667.450	93.681
2004/08/18	16:24:29	0.8333	733.657	93.828
2004/08/18	16:26:29	0.8667	787.021	94.044
2004/08/18	16:28:29	0.9000	816.473	94.266
2004/08/18	16:30:29	0.9333	851.071	94.465
2004/08/18	16:32:29	0.9667	876.112	94.654
2004/08/18	16:34:29	1.0000	931.159	94.824
2004/08/18	16:36:29	1.0333	1084.180	94.995
2004/08/18	16:38:29	1.0667	1159.750	95.176
2004/08/18	16:40:29	1.1000	1083.448	95.401
2004/08/18	16:42:29	1.1333	1144.183	95.650
2004/08/18	16:44:29	1.1667	1168.889	95.929
2004/08/18	16:46:29	1.2000	1151.560	96.237
2004/08/18	16:48:29	1.2333	1138.737	96.526
2004/08/18	16:50:29	1.2667	1141.030	96.777
2004/08/18	16:52:29	1.3000	1140.681	96.991
2004/08/18	16:54:29	1.3333	1138.357	97.178
2004/08/18	16:56:29	1.3667	1193.937	97.340
2004/08/18	16:58:29	1.4000	1257.553	97.513
2004/08/18	17:00:29	1.4333	1291.550	97.718
2004/08/18	17:02:29	1.4667	1322.534	97.954
2004/08/18	17:04:29	1.5000	1496.913	98.217
2004/08/18	17:06:29	1.5333	1406.451	98.521
2004/08/18	17:08:29	1.5667	1468.722	98.854
2004/08/18	17:10:29	1.6000	1360.633	99.259
2004/08/18	17:12:29	1.6333	1561.954	99.657
2004/08/18	17:14:29	1.6667	1582.476	100.112
2004/08/18	17:16:29	1.7000	1631.034	100.555
2004/08/18	17:18:29	1.7333	1648.859	100.980
2004/08/18	17:20:29	1.7667	1673.949	101.408
2004/08/18	17:22:29	1.8000	1649.555	101.854
2004/08/18	17:24:29	1.8333	1635.287	102.272
2004/08/18	17:26:29	1.8667	1626.209	102.637
2004/08/18	17:28:29	1.9000	1635.619	102.943
Inital HYD				
2004/08/18	17:29:29	1.9167	1689.696	103.073

Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2004/08/18	17:30:29	1.9333	162.504	103.404
2004/08/18	17:32:29	1.9667	88.957	103.660
Initial Flow				
2004/08/18	17:32:59	1.9750	87.036	103.723
2004/08/18	17:34:29	2.0000	90.002	103.933
2004/08/18	17:36:29	2.0333	97.067	104.257
2004/08/18	17:38:29	2.0667	99.381	104.583
2004/08/18	17:40:29	2.1000	104.324	104.875
2004/08/18	17:42:29	2.1333	112.457	105.147
2004/08/18	17:44:29	2.1667	116.280	105.402
2004/08/18	17:46:29	2.2000	121.603	105.625
Initial Flow				
2004/08/18	17:47:14	2.2125	120.644	105.706
2004/08/18	17:48:29	2.2333	143.438	105.831
2004/08/18	17:50:29	2.2667	525.795	105.908
2004/08/18	17:52:29	2.3000	689.452	106.093
2004/08/18	17:54:29	2.3333	759.762	106.284
2004/08/18	17:56:29	2.3667	794.647	106.462
2004/08/18	17:58:29	2.4000	811.173	106.624
2004/08/18	18:00:29	2.4333	822.823	106.774
2004/08/18	18:02:29	2.4667	829.619	106.893
2004/08/18	18:04:29	2.5000	834.213	106.997
2004/08/18	18:06:29	2.5333	837.402	107.101
2004/08/18	18:08:29	2.5667	839.765	107.188
2004/08/18	18:10:29	2.6000	841.642	107.262
2004/08/18	18:12:29	2.6333	843.082	107.330
2004/08/18	18:14:29	2.6667	844.266	107.400
2004/08/18	18:16:29	2.7000	845.300	107.465
2004/08/18	18:18:29	2.7333	846.152	107.524
2004/08/18	18:20:29	2.7667	846.901	107.575
2004/08/18	18:22:29	2.8000	847.574	107.631
2004/08/18	18:24:29	2.8333	848.169	107.681
2004/08/18	18:26:29	2.8667	848.668	107.726
2004/08/18	18:28:29	2.9000	849.139	107.778
2004/08/18	18:30:29	2.9333	849.524	107.825
2004/08/18	18:32:29	2.9667	849.886	107.866
2004/08/18	18:34:29	3.0000	850.175	107.910
2004/08/18	18:36:29	3.0333	850.462	107.953
2004/08/18	18:38:29	3.0667	850.740	107.998
2004/08/18	18:40:29	3.1000	850.995	108.030
2004/08/18	18:42:29	3.1333	851.266	108.066
2004/08/18	18:44:29	3.1667	851.489	108.108
2004/08/18	18:46:29	3.2000	851.747	108.144
Inital Buildup				
2004/08/18	18:47:14	3.2125	851.602	108.154
2004/08/18	18:48:29	3.2333	115.187	108.334
2004/08/18	18:50:29	3.2667	85.036	108.331
Final Flow				
2004/08/18	18:50:44	3.2708	85.241	108.325
2004/08/18	18:52:29	3.3000	91.953	108.270

Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2004/08/18	18:54:29	3.3333	93.283	108.192
2004/08/18	18:56:29	3.3667	95.189	108.109
2004/08/18	18:58:29	3.4000	96.788	108.021
2004/08/18	19:00:29	3.4333	98.649	107.942
2004/08/18	19:02:29	3.4667	100.963	107.854
2004/08/18	19:04:29	3.5000	102.918	107.769
2004/08/18	19:06:29	3.5333	105.163	107.688
2004/08/18	19:08:29	3.5667	107.576	107.605
2004/08/18	19:10:29	3.6000	109.560	107.533
2004/08/18	19:12:29	3.6333	111.125	107.467
2004/08/18	19:14:29	3.6667	112.990	107.402
2004/08/18	19:16:29	3.7000	115.351	107.348
2004/08/18	19:18:29	3.7333	117.765	107.303
2004/08/18	19:20:29	3.7667	119.821	107.267
2004/08/18	19:22:29	3.8000	122.529	107.238
2004/08/18	19:24:29	3.8333	127.215	107.218
2004/08/18	19:26:29	3.8667	126.867	107.208
2004/08/18	19:28:29	3.9000	128.403	107.200
2004/08/18	19:30:29	3.9333	130.428	107.197
2004/08/18	19:32:29	3.9667	131.748	107.200
2004/08/18	19:34:29	4.0000	130.141	107.213
2004/08/18	19:36:29	4.0333	141.416	107.218
2004/08/18	19:38:29	4.0667	140.812	107.242
2004/08/18	19:40:29	4.1000	139.910	107.267
2004/08/18	19:42:29	4.1333	139.254	107.296
2004/08/18	19:44:29	4.1667	144.894	107.319
2004/08/18	19:46:29	4.2000	148.603	107.348
Final Flow				
2004/08/18	19:47:29	4.2167	149.452	107.361
2004/08/18	19:48:29	4.2333	399.423	107.287
2004/08/18	19:50:29	4.2667	656.324	107.299
2004/08/18	19:52:29	4.3000	724.040	107.362
2004/08/18	19:54:29	4.3333	749.331	107.438
2004/08/18	19:56:29	4.3667	763.380	107.517
2004/08/18	19:58:29	4.4000	772.408	107.595
2004/08/18	20:00:29	4.4333	778.959	107.658
2004/08/18	20:02:29	4.4667	783.849	107.722
2004/08/18	20:04:29	4.5000	787.608	107.767
2004/08/18	20:06:29	4.5333	790.709	107.809
2004/08/18	20:08:29	4.5667	793.229	107.845
2004/08/18	20:10:29	4.6000	795.347	107.874
2004/08/18	20:12:29	4.6333	797.165	107.904
2004/08/18	20:14:29	4.6667	798.760	107.928
2004/08/18	20:16:29	4.7000	800.117	107.953
2004/08/18	20:18:29	4.7333	801.294	107.971
2004/08/18	20:20:29	4.7667	802.351	107.998
2004/08/18	20:22:29	4.8000	803.307	108.021
2004/08/18	20:24:29	4.8333	804.211	108.043
2004/08/18	20:26:29	4.8667	805.005	108.064
2004/08/18	20:28:29	4.9000	805.751	108.088

Company Name	Harris Oil & Gas Co.
Well Name	Arthur Drach 1-12
Type of Test	DST#4 3486' to 3550'
Date(s) of Test	8-18-2004

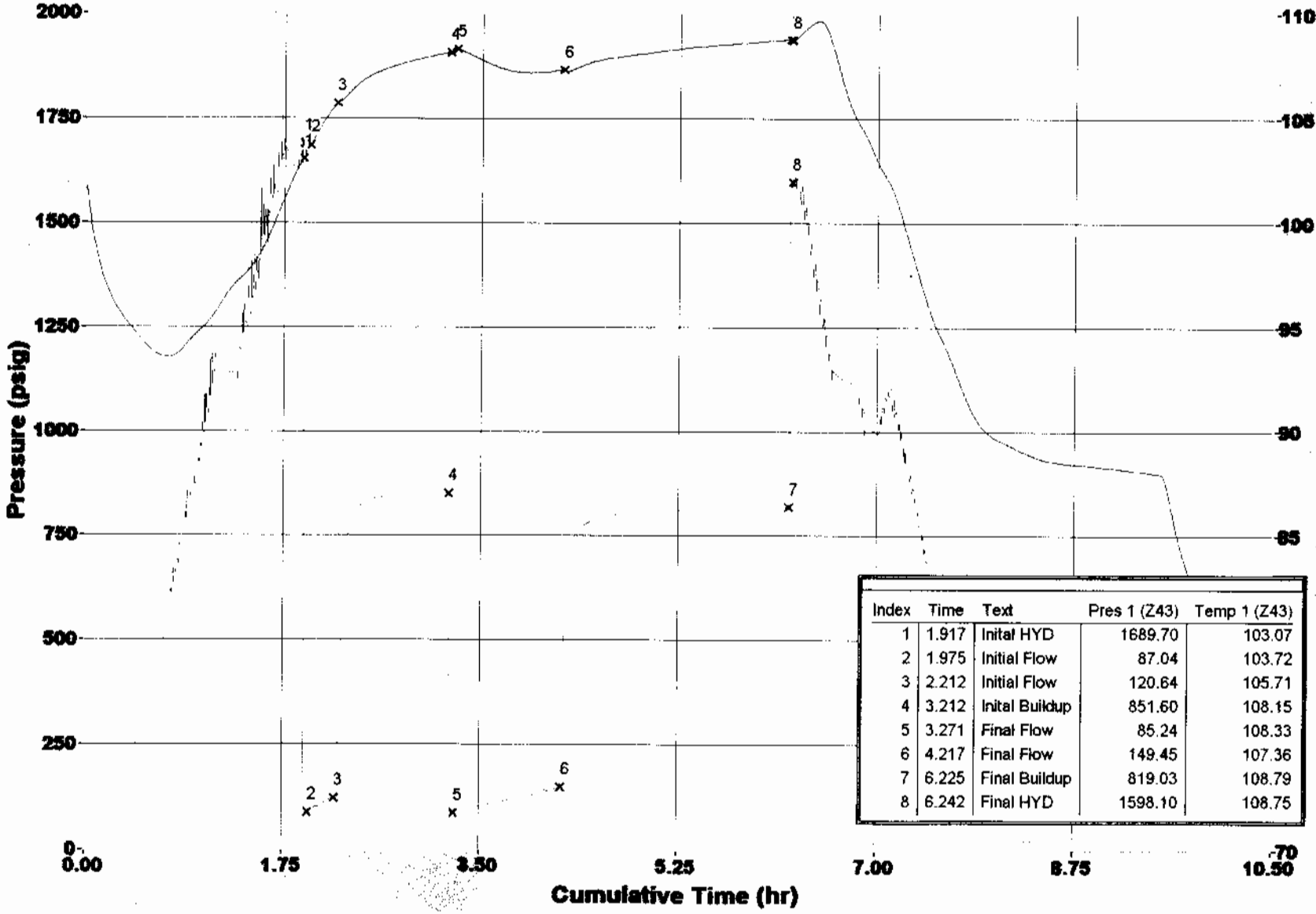
Ricketts Testing

Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2004/08/18	20:30:29	4.9333	806.411	108.104
2004/08/18	20:32:29	4.9667	807.071	108.131
2004/08/18	20:34:29	5.0000	807.666	108.153
2004/08/18	20:36:29	5.0333	808.236	108.172
2004/08/18	20:38:29	5.0667	808.741	108.190
2004/08/18	20:40:29	5.1000	809.235	108.216
2004/08/18	20:42:29	5.1333	809.701	108.237
2004/08/18	20:44:29	5.1667	810.171	108.262
2004/08/18	20:46:29	5.2000	810.602	108.279
2004/08/18	20:48:29	5.2333	811.032	108.304
2004/08/18	20:50:29	5.2667	811.432	108.322
2004/08/18	20:52:29	5.3000	811.823	108.342
2004/08/18	20:54:29	5.3333	812.196	108.363
2004/08/18	20:56:29	5.3667	812.542	108.379
2004/08/18	20:58:29	5.4000	812.887	108.403
2004/08/18	21:00:29	5.4333	813.234	108.414
2004/08/18	21:02:29	5.4667	813.570	108.426
2004/08/18	21:04:29	5.5000	813.876	108.451
2004/08/18	21:06:29	5.5333	814.191	108.466
2004/08/18	21:08:29	5.5667	814.480	108.480
2004/08/18	21:10:29	5.6000	814.777	108.496
2004/08/18	21:12:29	5.6333	815.048	108.520
2004/08/18	21:14:29	5.6667	815.305	108.532
2004/08/18	21:16:29	5.7000	815.577	108.549
2004/08/18	21:18:29	5.7333	815.847	108.568
2004/08/18	21:20:29	5.7667	816.080	108.577
2004/08/18	21:22:29	5.8000	816.305	108.599
2004/08/18	21:24:29	5.8333	816.562	108.613
2004/08/18	21:26:29	5.8667	816.799	108.630
2004/08/18	21:28:29	5.9000	817.011	108.646
2004/08/18	21:30:29	5.9333	817.228	108.658
2004/08/18	21:32:29	5.9667	817.445	108.676
2004/08/18	21:34:29	6.0000	817.660	108.687
2004/08/18	21:36:29	6.0333	817.878	108.702
2004/08/18	21:38:29	6.0667	818.076	108.720
2004/08/18	21:40:29	6.1000	818.264	108.734
2004/08/18	21:42:29	6.1333	818.482	108.748
2004/08/18	21:44:29	6.1667	818.671	108.765
2004/08/18	21:46:29	6.2000	818.883	108.783
Final Buildup				
2004/08/18	21:47:59	6.2250	819.031	108.793
2004/08/18	21:48:29	6.2333	1603.228	108.741
Final HYD				
2004/08/18	21:48:59	6.2417	1598.096	108.747
2004/08/18	21:50:29	6.2667	1637.518	108.808
2004/08/18	21:52:29	6.3000	1623.782	108.961
2004/08/18	21:54:29	6.3333	1585.514	109.146
2004/08/18	21:56:29	6.3667	1537.666	109.317
2004/08/18	21:58:29	6.4000	1444.520	109.474
2004/08/18	22:00:29	6.4333	1396.832	109.596

Company Name	Harris Oil & Gas Co.
Well Name	Arthur Drach 1-12
Type of Test	DST#4 3486' to 3550'
Date(s) of Test	8-18-2004

Ricketts Testing

08-18-2004 DST#4 Arthur Drach 1-12



Index	Time	Text	Pres 1 (Z43)	Temp 1 (Z43)
1	1.917	Inital HYD	1689.70	103.07
2	1.975	Initial Flow	87.04	103.72
3	2.212	Initial Flow	120.64	105.71
4	3.212	Inital Buildup	851.60	108.15
5	3.271	Final Flow	85.24	108.33
6	4.217	Final Flow	149.45	107.36
7	6.225	Final Buildup	819.03	108.79
8	6.242	Final HYD	1598.10	108.75