Ricketts Testing, Inc.

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

Elevation 1890 K.B. Formation KANSAS CITY Ticket No. 2197

Date 8-17-04 Sec. 12 Twp. 22S Range 13W County STAFFORD State KS

Test Approved by _____ Ricketts Representative JIM RICKETTS

Formation Test No. 3 Interval Tested from 3454 ft. to 3490 ft. Total Depth 3490 ft.

Packer Depth 3454 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3451 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3459 ft. Recorder Number 11027 Cap. 4625

Bottom Recorder Depth (Outside) 3462 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 44 Weight Pipe Length _____ I.D. _____ in.

Weight 9.8 Water Loss 9.6 cc. Drill Pipe Length 3002 I.D. 3.25 in.

Chlorides 3,600 P.P.M. Test Tool Length 27 ft. Tool Size 5½ in.

Jars: Make STERLING Serial Number 404 Anchor Length 36 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 41° Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: WEAK BLOW BUILDING TO A STRONG BLOW IN 10 MINUTES INITIAL FLOW PERIOD. STRONG BLOW IN 2 MINUTES FINAL FLOW PERIOD. GAS TO SURFACE IN 10 MINUTES ON FINAL SHUT-IN.

Recovered 487 ft. of FREE OIL.

Recovered 30 ft. of MUD & OIL 50% MUD 50% OIL

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s) 7:17 P.M. Time Started Off Bottom 11:21 P M. Maximum Temperature 113°

Initial Hydrostatic Pressure	(A)	1671	P.S.I.	
Initial Flow Period Minutes 15	(B)	54	P.S.I.	to
	(C)	100	P.S.I.	
Initial Closed In Period Minutes 60	(D)	976	P.S.I.	
Final Flow Period Minutes 60	(E)	97	P.S.I.	to
	(F)	160	P.S.I.	
Final Closed In Period Minutes 120	(G)	942	P.S.I.	
Final Hydrostatic Pressure	(H)	1618	P.S.I.	

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	
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)	1890KB
Casing Flange (CF)	
KB-CF	
Ground Level	1887 GL
Plug Back Total Depth	
Total Depth	3490'
Production Casing	
Production Tubing	

TEST INFORMATION

Type of Test	DST#3 3454' to 3490'
Date(s) of Test	8-17-2004
Dead-weight Gauge Tubing Pressure	
Dead-weight Gauge Casing Pressure	
Shut-in Date (Duration)	8-17-2004
Date / Time on Bottom	8-17-2004 @ 7:17 PM
Date / Time off Bottom	8-17-2004 @ 11:32 PM
Probe Serial Number	Z43
Probe Offset from End of Tool String	
Run Depth at Probe Pressure Port	3459'

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	1691.2 psig
Maximum Recorded Probe Temperature	113.5 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 17/2004 @ 17:34:17
Program End Time	Aug 18/2004 @ 03:48:32
Total Samples Taken	2293
Usage for this Test	0.0840 Ah
Generic Data File Name	Z43AU18A.GEN

COMMENTS

Reported By James Ricketts

Weak blow building to strong blow in 10 mins. inital flow period. Strong blow in 2 mins, final flow period. Gas to surface in 10 mins. final shut in period. 487' free oil 41 GR 30' Oil & mud 50% oil & 50% mud.

Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2004/08/17	17:34:17	0.0000	51.461	104.335
2004/08/17	17:40:17	0.1000	171.119	98.350
2004/08/17	17:46:17	0.2000	310.681	95.459
2004/08/17	17:52:17	0.3000	388.632	94.084
2004/08/17	17:58:17	0.4000	538.862	93.486
2004/08/17	18:04:17	0.5000	659.676	93.479
2004/08/17	18:10:17	0.6000	762.292	94.082
2004/08/17	18:16:17	0.7000	898.414	94.766
2004/08/17	18:19:17	0.7500	1011.734	95.081
2004/08/17	18:20:17	0.7667	1003.373	95.184
2004/08/17	18:22:17	0.8000	989.679	95.436
2004/08/17	18:24:17	0.8333	990.042	95.671
2004/08/17	18:26:17	0.8667	989.530	95.887
2004/08/17	18:28:17	0.9000	988.968	96.066
2004/08/17	18:30:17	0.9333	988.541	96.229
2004/08/17	18:32:17	0.9667	988.184	96.366
2004/08/17	18:34:17	1.0000	987.831	96.480
2004/08/17	18:36:17	1.0333	987.556	96.573
2004/08/17	18:38:17	1.0667	987.363	96.660
2004/08/17	18:40:17	1.1000	987.109	96.732
2004/08/17	18:42:17	1.1333	986.886	96.796
2004/08/17	18:44:17	1.1667	1042.295	96.840
2004/08/17	18:46:17	1.2000	1100.349	96.901
2004/08/17	18:48:17	1.2333	1161.741	96.996
2004/08/17	18:50:17	1.2667	1226.416	97.146
2004/08/17	18:52:17	1.3000	1322.439	97.349
2004/08/17	18:54:17	1.3333	1313.368	97.608
2004/08/17	18:56:17	1.3667	1370.023	97.929
2004/08/17	18:58:17	1.4000	1432.869	98.298
2004/08/17	19:00:17	1.4333	1487.945	98.721
2004/08/17	19:02:17	1.4667	1612.510	99.203
2004/08/17	19:04:17	1.5000	1573.382	99.738
2004/08/17	19:06:17	1.5333	1633.641	100.287
2004/08/17	19:08:17	1.5667	1611.269	100.893
2004/08/17	19:10:17	1.6000	1598.531	101.493
2004/08/17	19:12:17	1.6333	1593.782	102.029
2004/08/17	19:14:17	1.6667	1642.274	102.495
2004/08/17	19:16:17	1.7000	1666.106	102.902
Inital HYD				
2004/08/17	19:17:17	1.7167	1671.614	103.105
2004/08/17	19:18:17	1.7333	1669.234	103.303
Initial Flow				
2004/08/17	19:20:17	1.7667	54.026	103.930
2004/08/17	19:22:17	1.8000	59.779	104.355
2004/08/17	19:24:17	1.8333	68.379	104.864
2004/08/17	19:26:17	1.8667	75.115	105.399
2004/08/17	19:28:17	1.9000	82.900	105.903
2004/08/17	19:30:17	1.9333	89.437	106.371
2004/08/17	19:32:17	1.9667	96.347	106.795
Initial Flow				

Company Name	Harris Oil & Gas Co.
Well Name	Arthur Drach 1-12
Type of Test	DST#3 3454' to 3490'
Date(s) of Test	8-17-2004

Ricketts Testing

Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2004/08/17	19:34:02	1.9958	100.839	107.127
2004/08/17	19:34:17	2.0000	101.761	107.166
2004/08/17	19:36:17	2.0333	195.881	107.460
2004/08/17	19:38:17	2.0667	315.076	107.721
2004/08/17	19:40:17	2.1000	456.630	107.955
2004/08/17	19:42:17	2.1333	614.023	108.176
2004/08/17	19:44:17	2.1667	739.606	108.390
2004/08/17	19:46:17	2.2000	809.668	108.613
2004/08/17	19:48:17	2.2333	849.533	108.815
2004/08/17	19:50:17	2.2667	875.118	109.002
2004/08/17	19:52:17	2.3000	892.620	109.162
2004/08/17	19:54:17	2.3333	905.498	109.317
2004/08/17	19:56:17	2.3667	915.513	109.447
2004/08/17	19:58:17	2.4000	923.564	109.553
2004/08/17	20:00:17	2.4333	930.210	109.657
2004/08/17	20:02:17	2.4667	935.854	109.755
2004/08/17	20:04:17	2.5000	940.714	109.839
2004/08/17	20:06:17	2.5333	944.940	109.922
2004/08/17	20:08:17	2.5667	948.652	109.999
2004/08/17	20:10:17	2.6000	951.995	110.073
2004/08/17	20:12:17	2.6333	955.025	110.142
2004/08/17	20:14:17	2.6667	957.748	110.205
2004/08/17	20:16:17	2.7000	960.185	110.262
2004/08/17	20:18:17	2.7333	962.473	110.313
2004/08/17	20:20:17	2.7667	964.631	110.361
2004/08/17	20:22:17	2.8000	966.595	110.401
2004/08/17	20:24:17	2.8333	968.491	110.444
2004/08/17	20:26:17	2.8667	970.284	110.478
2004/08/17	20:28:17	2.9000	972.015	110.518
2004/08/17	20:30:17	2.9333	973.745	110.552
2004/08/17	20:32:17	2.9667	975.377	110.579
Initai Buildup				
2004/08/17	20:33:47	2.9917	976.523	110.604
2004/08/17	20:34:17	3.0000	976.899	110.610
Final Flow				
2004/08/17	20:36:02	3.0292	97.785	110.790
2004/08/17	20:36:17	3.0333	97.533	110.782
2004/08/17	20:38:17	3.0667	87.101	110.727
2004/08/17	20:40:17	3.1000	109.915	110.665
2004/08/17	20:42:17	3.1333	118.970	110.631
2004/08/17	20:44:17	3.1667	111.415	110.640
2004/08/17	20:46:17	3.2000	118.313	110.656
2004/08/17	20:48:17	3.2333	115.883	110.687
2004/08/17	20:50:17	3.2667	112.360	110.730
2004/08/17	20:52:17	3.3000	114.908	110.768
2004/08/17	20:54:17	3.3333	120.266	110.804
2004/08/17	20:56:17	3.3667	130.684	110.847
2004/08/17	20:58:17	3.4000	127.107	110.890
2004/08/17	21:00:17	3.4333	127.440	110.935
2004/08/17	21:02:17	3.4667	132.529	110.979

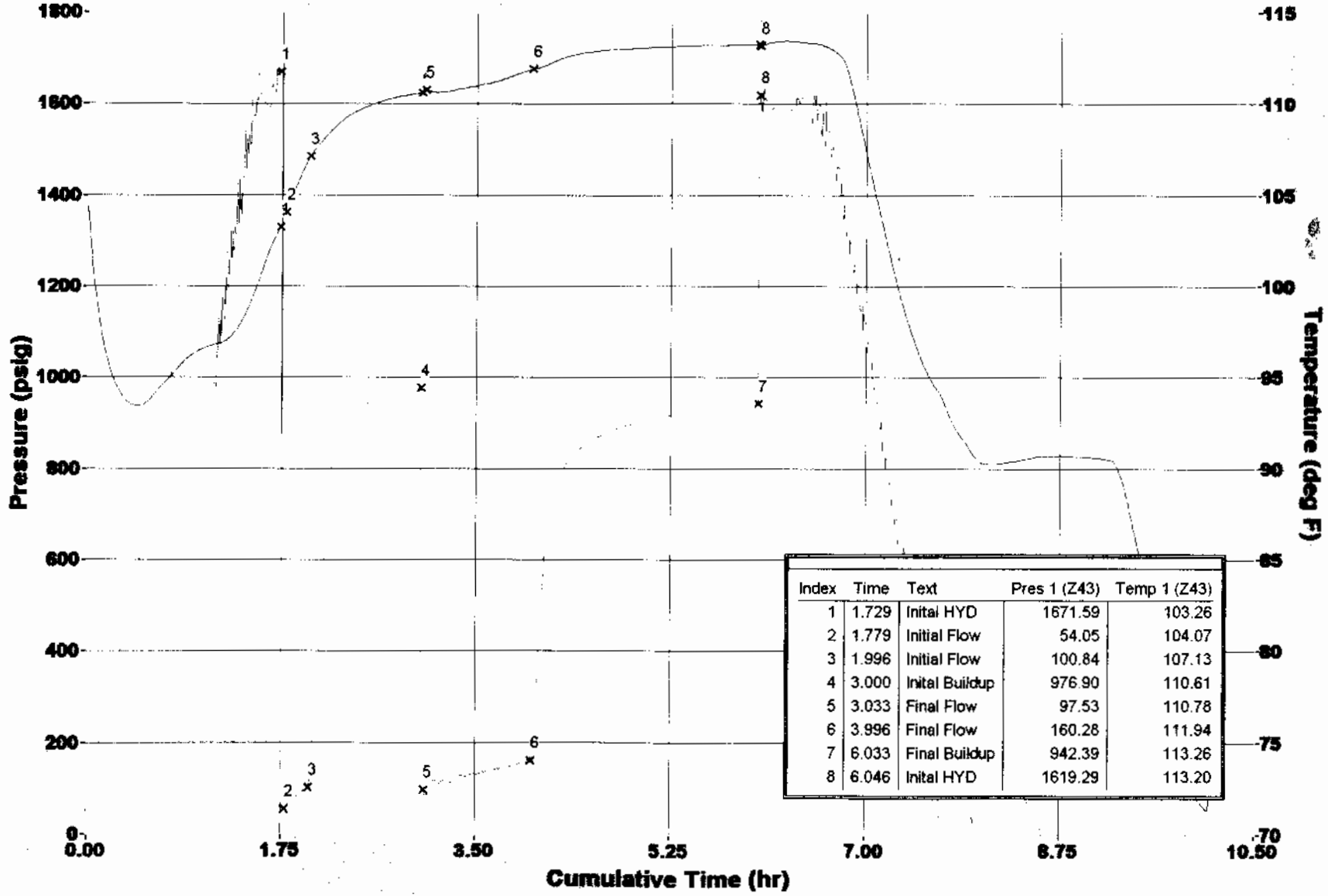
Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2004/08/17	21:04:17	3.5000	132.904	111.016
2004/08/17	21:06:17	3.5333	132.725	111.060
2004/08/17	21:08:17	3.5667	136.348	111.101
2004/08/17	21:10:17	3.6000	137.126	111.135
2004/08/17	21:12:17	3.6333	139.597	111.178
2004/08/17	21:14:17	3.6667	141.267	111.232
2004/08/17	21:16:17	3.7000	142.938	111.301
2004/08/17	21:18:17	3.7333	146.909	111.367
2004/08/17	21:20:17	3.7667	146.405	111.443
2004/08/17	21:22:17	3.8000	148.195	111.522
2004/08/17	21:24:17	3.8333	151.522	111.598
2004/08/17	21:26:17	3.8667	151.212	111.673
2004/08/17	21:28:17	3.9000	155.816	111.742
2004/08/17	21:30:17	3.9333	155.981	111.814
2004/08/17	21:32:17	3.9667	161.228	111.882
Final Flow				
2004/08/17	21:34:02	3.9958	160.280	111.943
2004/08/17	21:34:17	4.0000	170.314	111.943
2004/08/17	21:36:17	4.0333	268.935	111.974
2004/08/17	21:38:17	4.0667	392.311	112.024
2004/08/17	21:40:17	4.1000	553.556	112.095
2004/08/17	21:42:17	4.1333	658.550	112.185
2004/08/17	21:44:17	4.1667	714.278	112.282
2004/08/17	21:46:17	4.2000	749.488	112.377
2004/08/17	21:48:17	4.2333	774.046	112.460
2004/08/17	21:50:17	4.2667	792.414	112.537
2004/08/17	21:52:17	4.3000	806.846	112.599
2004/08/17	21:54:17	4.3333	818.521	112.662
2004/08/17	21:56:17	4.3667	828.275	112.712
2004/08/17	21:58:17	4.4000	836.577	112.755
2004/08/17	22:00:17	4.4333	843.815	112.797
2004/08/17	22:02:17	4.4667	850.214	112.827
2004/08/17	22:04:17	4.5000	855.968	112.858
2004/08/17	22:06:17	4.5333	861.213	112.883
2004/08/17	22:08:17	4.5667	865.960	112.906
2004/08/17	22:10:17	4.6000	870.299	112.926
2004/08/17	22:12:17	4.6333	874.260	112.946
2004/08/17	22:14:17	4.6667	877.934	112.960
2004/08/17	22:16:17	4.7000	881.348	112.980
2004/08/17	22:18:17	4.7333	884.539	112.995
2004/08/17	22:20:17	4.7667	887.550	113.004
2004/08/17	22:22:17	4.8000	890.418	113.018
2004/08/17	22:24:17	4.8333	893.066	113.032
2004/08/17	22:26:17	4.8667	895.564	113.041
2004/08/17	22:28:17	4.9000	897.959	113.056
2004/08/17	22:30:17	4.9333	900.205	113.063
2004/08/17	22:32:17	4.9667	902.364	113.072
2004/08/17	22:34:17	5.0000	904.384	113.077
2004/08/17	22:36:17	5.0333	906.336	113.088
2004/08/17	22:38:17	5.0667	908.188	113.095

Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2004/08/17	22:40:17	5.1000	909.942	113.095
2004/08/17	22:42:17	5.1333	911.652	113.104
2004/08/17	22:44:17	5.1667	913.277	113.112
2004/08/17	22:46:17	5.2000	914.840	113.115
2004/08/17	22:48:17	5.2333	916.318	113.122
2004/08/17	22:50:17	5.2667	917.756	113.130
2004/08/17	22:52:17	5.3000	919.144	113.137
2004/08/17	22:54:17	5.3333	920.467	113.139
2004/08/17	22:56:17	5.3667	921.765	113.146
2004/08/17	22:58:17	5.4000	923.000	113.157
2004/08/17	23:00:17	5.4333	924.204	113.157
2004/08/17	23:02:17	5.4667	925.385	113.162
2004/08/17	23:04:17	5.5000	926.533	113.166
2004/08/17	23:06:17	5.5333	927.696	113.171
2004/08/17	23:08:17	5.5667	928.796	113.178
2004/08/17	23:10:17	5.6000	929.871	113.184
2004/08/17	23:12:17	5.6333	930.888	113.191
2004/08/17	23:14:17	5.6667	931.897	113.196
2004/08/17	23:16:17	5.7000	932.917	113.198
2004/08/17	23:18:17	5.7333	933.989	113.207
2004/08/17	23:20:17	5.7667	935.018	113.212
2004/08/17	23:22:17	5.8000	936.076	113.220
2004/08/17	23:24:17	5.8333	937.062	113.221
2004/08/17	23:26:17	5.8667	938.083	113.223
2004/08/17	23:28:17	5.9000	939.040	113.234
2004/08/17	23:30:17	5.9333	939.966	113.238
2004/08/17	23:32:17	5.9667	940.837	113.245
2004/08/17	23:34:17	6.0000	941.650	113.254
Final Buildup				
2004/08/17	23:36:17	6.0333	942.386	113.257
2004/08/17	23:38:17	6.0667	1580.179	113.232
Final HYD				
2004/08/17	23:39:47	6.0917	1618.018	113.279
2004/08/17	23:40:17	6.1000	1610.584	113.297
2004/08/17	23:42:17	6.1333	1595.531	113.360
2004/08/17	23:44:17	6.1667	1593.410	113.403
2004/08/17	23:46:17	6.2000	1590.972	113.430
2004/08/17	23:48:17	6.2333	1589.863	113.441
2004/08/17	23:50:17	6.2667	1589.191	113.452
2004/08/17	23:52:17	6.3000	1588.636	113.450
2004/08/17	23:54:17	6.3333	1588.112	113.437
2004/08/17	23:56:17	6.3667	1587.672	113.430
2004/08/17	23:58:17	6.4000	1602.443	113.409
2004/08/18	00:00:17	6.4333	1605.230	113.391
2004/08/18	00:02:17	6.4667	1588.735	113.365
2004/08/18	00:04:17	6.5000	1588.255	113.342
2004/08/18	00:06:17	6.5333	1609.605	113.311
2004/08/18	00:08:17	6.5667	1605.190	113.281
2004/08/18	00:10:17	6.6000	1528.189	113.243
2004/08/18	00:12:17	6.6333	1506.798	113.180

Company Name	Harris Oil & Gas Co.
Well Name	Arthur Drach 1-12
Type of Test	DST#3 3454' to 3490'
Date(s) of Test	8-17-2004

Ricketts Testing

8-17-2004 DST#3 Arthur Drach 1-12



Index	Time	Text	Pres 1 (Z43)	Temp 1 (Z43)
1	1.729	Inital HYD	1671.59	103.26
2	1.779	Initial Flow	54.05	104.07
3	1.996	Initial Flow	100.84	107.13
4	3.000	Inital Buildup	976.90	110.61
5	3.033	Final Flow	97.53	110.78
6	3.996	Final Flow	160.28	111.94
7	6.033	Final Buildup	942.39	113.26
8	6.046	Inital HYD	1619.29	113.20