

15-185-20807

5-23s-12w


TRILOBITE
TESTING, INC

STATIC GRADIENT REPORT

Parrish Oil Corp

Hitz #1

5-23s-12w Stafford

Licence No: 1

ATTN:

Test Start: 2001.03.16 @ 11:30:06

GENERAL INFORMATION:

Formation: Lansing Field:

Well Status: Gas Suspended

Deviated: No Whipstock: ft (CF)

Shut In Date: 2001.03.19 @ 00:00:00

Company Rep: Paul Simpson

Unit No.:

Reference Elevations: 2000 ft (KB)

1998 ft (CF)

KB to CF: 2.0 ft

Perforations: 3548 ft (CF) To 3552 ft (CF) (TVD)

Tubing Press: Initial psig Final psig inches @ ft (CF)

Casing Press: Initial 1146 psig Final 1146 psig inches @ ft (CF)

Open Hole: inches

Packer Depth: ft (CF)

MPP: 3550 ft (CF)**Press@MPP: 1265.12 psig****B.H. Temp: 114.48 deg F**

Assumed Gradient: .03 psig/ft

RECORDER INFORMATION:

Serial #: 2341 Inside

Capacity: 7000 psig

Press@RunDepth: 1265.26 psig @ 3550 ft (CF)

Last Calib.:

Start Date: 2001.03.16 @ 11:30:06

Time On Btm: 2001.03.19 @ 00:00:00

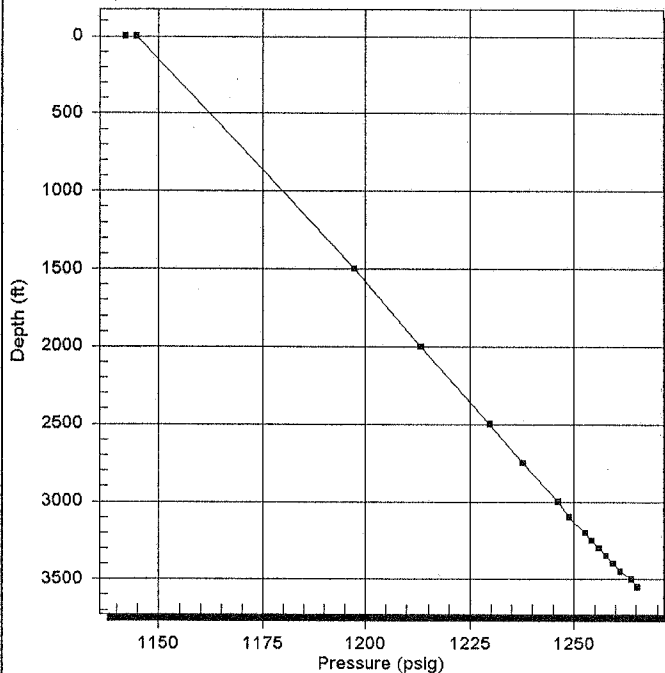
End Date: 2001.03.16 @ 13:20:26

Time Off Btm: 2001.03.16 @ 13:01:06

TEST COMMENT:

Static Gradient Graph

2341



GRADIENT SUMMARY

Relative Time (Hours)	Depth (ft)	Pressure (psig)	Gradient (psig/ft)
1.72222	0.00	1142.02	0.00
0.12917	0.00	1144.74	0.00
0.22222	1500.00	1197.43	0.04
0.30139	2000.00	1213.38	0.03
0.39444	2500.00	1229.80	0.03
0.48750	2750.00	1237.85	0.03
0.56806	3000.00	1246.26	0.03
0.81389	3100.00	1248.84	0.03
0.90694	3200.00	1252.65	0.04
1.03056	3250.00	1254.32	0.03
1.07639	3300.00	1256.01	0.03
1.13889	3350.00	1257.65	0.03
1.20556	3400.00	1259.38	0.03
1.27639	3450.00	1261.06	0.03
1.34861	3500.00	1263.74	0.05
1.42917	3550.00	1265.12	0.03
1.43056	3550.00	1265.26	0.00



TRILOBITE
TESTING, INC

STATIC GRADIENT DATA LISTING

Parrish Oil

Hitz #1

Licence No:

ATTN:

Test Start: 2001.03.16 @ 13:31:25

Serial # 2341 Top

Actual Time (Date/Time)	Relative Time (Hours)	Depth (ft)	Pressure (psig)	Temperature (deg F)	Comments
2001.03.16 @ 13:31:26	0.00000		1.33	57.16	
2001.03.16 @ 13:31:29	0.00083		0.95	57.21	
2001.03.16 @ 13:31:30	0.00111		1.03	57.22	
2001.03.16 @ 13:31:31	0.00139	0.00	0.91	57.24	Recorder @ Surface
2001.03.16 @ 13:31:32	0.00167		0.99	57.24	
2001.03.16 @ 13:31:33	0.00194		0.85	57.26	
2001.03.16 @ 13:31:34	0.00222		0.91	57.27	
2001.03.16 @ 13:38:10	0.11222		1.11	57.81	
2001.03.16 @ 13:38:25	0.11639		1.15	57.84	
2001.03.16 @ 13:38:40	0.12056	3550.00	1145.16	57.86	Pressure @ RunDepth
2001.03.16 @ 13:38:55	0.12472		1145.18	57.90	
2001.03.16 @ 13:39:10	0.12889		1145.30	57.96	
2001.03.16 @ 13:39:25	0.13306		1145.32	58.04	
2001.03.16 @ 16:14:55	2.72472		624.31	112.04	
2001.03.16 @ 18:50:10	5.31222		651.85	110.19	
2001.03.16 @ 21:25:25	7.89972		687.64	109.78	
2001.03.17 @ 00:00:40	10.48722		641.70	110.14	
2001.03.17 @ 02:35:55	13.07472		691.60	110.04	
2001.03.17 @ 05:11:10	15.66222		675.20	109.75	
2001.03.17 @ 07:46:25	18.24972		698.43	109.41	
2001.03.17 @ 10:21:40	20.83722		692.55	109.13	
2001.03.17 @ 12:56:55	23.42472		683.93	110.05	
2001.03.17 @ 15:39:25	26.13305		712.27	110.25	
2001.03.17 @ 15:39:55	26.14139		712.75	110.26	
2001.03.17 @ 15:40:25	26.14972		712.17	110.25	changed to 1/2" plate
2001.03.17 @ 15:40:55	26.15805		711.97	110.25	
2001.03.17 @ 15:41:25	26.16639		710.95	110.24	
2001.03.17 @ 15:41:55	26.17472		711.33	110.23	
2001.03.17 @ 20:52:25	31.34972		731.26	109.20	
2001.03.18 @ 02:02:55	36.52472		707.58	109.10	
2001.03.18 @ 07:13:25	41.69972		742.01	109.31	
2001.03.18 @ 12:23:55	46.87472		741.05	109.66	
2001.03.18 @ 17:34:55	52.05806		920.02	110.82	

Printing every 621 samples

Serial # 2341		Top			
Actual Time (Date/Time)	Relative Time (Hours)	Depth (ft)	Pressure (psig)	Temperature (deg F)	Comments
2001.03.18 @ 22:45:25	57.23306		1078.23	112.30	
2001.03.19 @ 03:55:55	62.40806		1129.94	113.16	
2001.03.19 @ 09:06:25	67.58306		1161.00	113.90	
2001.03.19 @ 14:16:55	72.75806		1182.01	114.25	
2001.03.19 @ 19:27:25	77.93306		1199.07	114.50	
2001.03.20 @ 00:37:55	83.10806		1211.11	114.70	
2001.03.20 @ 05:48:25	88.28306		1219.65	114.86	
2001.03.20 @ 10:58:55	93.45806		1225.71	115.00	
2001.03.20 @ 16:09:25	98.63306		1230.28	115.10	
2001.03.20 @ 21:19:55	103.80806		1233.76	115.20	
2001.03.21 @ 02:30:25	108.98306		1236.49	115.28	
2001.03.21 @ 07:40:55	114.15806		1238.58	115.33	
2001.03.21 @ 12:51:25	119.33306		1239.99	115.39	
2001.03.21 @ 18:01:55	124.50806		1241.28	115.44	
2001.03.21 @ 23:12:25	129.68306		1242.24	115.49	
2001.03.22 @ 04:22:55	134.85806		1242.97	115.52	
2001.03.22 @ 09:33:25	140.03306		1243.55	115.56	
2001.03.22 @ 13:59:55	144.47472		1243.95	115.58	
2001.03.22 @ 14:00:25	144.48306		1243.95	115.57	
2001.03.22 @ 14:00:55	144.49139	3525.00	1243.11	115.58	3525
2001.03.22 @ 14:01:25	144.49972		1243.11	115.57	
2001.03.22 @ 14:01:55	144.50806		1243.09	115.56	
2001.03.22 @ 14:02:25	144.51639		1243.09	115.55	
2001.03.22 @ 14:08:25	144.61639		1243.17	115.40	
2001.03.22 @ 14:08:55	144.62472		1243.11	115.39	
2001.03.22 @ 14:09:25	144.63306	3500.00	1242.34	115.38	3500
2001.03.22 @ 14:09:55	144.64139		1242.34	115.37	
2001.03.22 @ 14:10:25	144.64972		1242.32	115.36	
2001.03.22 @ 14:10:55	144.65806		1242.32	115.34	
2001.03.22 @ 14:12:55	144.69139		1242.34	115.27	
2001.03.22 @ 14:13:25	144.69972		1241.07	115.25	
2001.03.22 @ 14:13:55	144.70806	3450.00	1240.67	115.23	3450
2001.03.22 @ 14:14:25	144.71639		1240.67	115.20	
2001.03.22 @ 14:14:55	144.72472		1240.65	115.17	
2001.03.22 @ 14:15:25	144.73306		1240.69	115.15	
2001.03.22 @ 14:16:25	144.74972		1240.71	115.06	
2001.03.22 @ 14:16:55	144.75806		1240.71	115.01	
2001.03.22 @ 14:17:25	144.76639	3400.00	1239.05	114.97	3400
2001.03.22 @ 14:17:55	144.77472		1239.03	114.92	
2001.03.22 @ 14:18:25	144.78306		1239.07	114.86	
2001.03.22 @ 14:18:55	144.79139		1239.05	114.79	
Printing every 621 samples					

Serial # 2341		Top			
Actual Time (Date/Time)	Relative Time (Hours)	Depth (ft)	Pressure (psig)	Temperature (deg F)	Comments
2001.03.22 @ 14:20:55	144.82472		1239.09	114.48	
2001.03.22 @ 14:21:25	144.83306		1239.09	114.41	
2001.03.22 @ 14:21:55	144.84139	3300.00	1235.80	114.35	3300
2001.03.22 @ 14:22:25	144.84972		1235.74	114.26	
2001.03.22 @ 14:22:55	144.85806		1235.74	114.14	
2001.03.22 @ 14:23:25	144.86639		1235.78	113.98	
2001.03.22 @ 14:25:25	144.89972		1235.90	113.31	
2001.03.22 @ 14:25:55	144.90806		1232.48	113.14	
2001.03.22 @ 14:26:25	144.91639	3200.00	1231.42	112.94	3200
2001.03.22 @ 14:26:55	144.92472		1231.47	112.69	
2001.03.22 @ 14:27:25	144.93306		1231.47	112.41	
2001.03.22 @ 14:27:55	144.94139		1231.45	112.14	
2001.03.22 @ 14:29:25	144.96639		1231.53	111.40	
2001.03.22 @ 14:29:55	144.97472		1228.21	111.18	
2001.03.22 @ 14:30:25	144.98306	3100.00	1228.11	110.97	3100
2001.03.22 @ 14:30:55	144.99139		1228.15	110.72	
2001.03.22 @ 14:31:25	144.99972		1228.17	110.47	
2001.03.22 @ 14:31:55	145.00806		1228.19	110.22	
2001.03.22 @ 14:38:55	145.12472		1228.31	108.34	
2001.03.22 @ 14:39:25	145.13306		1225.37	108.29	
2001.03.22 @ 14:39:55	145.14139	3000.00	1224.81	108.22	3000
2001.03.22 @ 14:40:25	145.14972		1224.83	108.13	
2001.03.22 @ 14:40:55	145.15806		1224.85	108.01	
2001.03.22 @ 14:41:25	145.16639		1224.85	107.88	
2001.03.22 @ 14:44:55	145.22472		1223.51	107.11	
2001.03.22 @ 14:45:25	145.23306		1217.52	107.02	
2001.03.22 @ 14:45:55	145.24139	2750.00	1216.30	106.86	2750
2001.03.22 @ 14:46:25	145.24972		1216.32	106.62	
2001.03.22 @ 14:46:55	145.25806		1216.38	106.30	
2001.03.22 @ 14:47:25	145.26639		1216.42	105.96	
2001.03.22 @ 14:49:25	145.29972		1215.72	104.72	
2001.03.22 @ 14:49:55	145.30806		1209.47	104.44	
2001.03.22 @ 14:50:25	145.31639	2500.00	1207.69	104.08	2500
2001.03.22 @ 14:50:55	145.32472		1207.71	103.58	
2001.03.22 @ 14:51:25	145.33306		1207.77	103.00	
2001.03.22 @ 14:51:55	145.34139		1207.85	102.42	
2001.03.22 @ 14:53:55	145.37472		1203.38	100.45	
2001.03.22 @ 14:54:25	145.38306		1196.75	99.99	
2001.03.22 @ 14:54:55	145.39139	2000.00	1190.58	99.36	2000
2001.03.22 @ 14:55:25	145.39972		1190.46	98.48	
2001.03.22 @ 14:55:55	145.40806		1190.52	97.42	
Printing every 621 samples					

Serial # 2341 Top

Actual Time (Date/Time)	Relative Time (Hours)	Depth (ft)	Pressure (psig)	Temperature (deg F)	Comments
2001.03.22 @ 14:56:25	145.41639		1190.60	96.33	
2001.03.22 @ 15:02:25	145.51639		1183.15	89.29	
2001.03.22 @ 15:02:55	145.52472		1176.34	88.90	
2001.03.22 @ 15:03:25	145.53306	1500.00	1174.02	88.34	1500
2001.03.22 @ 15:03:55	145.54139		1174.10	87.61	
2001.03.22 @ 15:04:25	145.54972		1174.16	86.83	
2001.03.22 @ 15:04:55	145.55806		1174.30	86.07	
2001.03.22 @ 15:10:55	145.65806		1126.88	77.40	
2001.03.22 @ 15:11:25	145.66639		1125.05	75.56	
2001.03.22 @ 15:11:55	145.67472	0.00	1124.85	73.69	Recorder @ Surface
2001.03.22 @ 15:12:25	145.68306		1124.51	71.92	
2001.03.22 @ 15:12:55	145.69139		1124.31	70.30	
2001.03.22 @ 15:13:25	145.69972		1124.89	68.89	
2001.03.22 @ 15:21:25	145.83306		-1.30	64.85	

Printing every 621 samples

NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:

Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-624-5389
Fax: 620-626-7108

Lab Number: 20011436**Analyzed: 03/20/01**

Sample From: Hitz #1 Drawdown
Producer: Parrish Corp

Pressure:
Temperature:

Date: Location:

Time: County: Stafford
Sampler: State: Kansas
Source: Formation:

	Mole %	GPM
Helium	He: 0.938	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 23.099	0.000
Carbon Dioxide	CO2: 0.290	0.000
Methane	C1: 67.913	0.000
Ethane	C2: 4.201	1.124
Propane	C3: 2.295	0.632
Iso Butane	iC4: 0.299	0.098
Normal Butane	nC4: 0.626	0.197
Iso Pentane	iC5: 0.097	0.035
Normal Pentane	nC5: 0.127	0.046
Hexanes Plus	C6+: 0.115	0.050

TOTAL: 100.000 2.183

Z Fact: 0.9981

SP.GR.: 0.7133

BTU (SAT): 851.5 @ 14.73 psia
BTU (DRY): 866.6 @ 14.73 psia
OCTANE RATING: 95.9

COMMENTS:

0.000

FieldNotes

Field Measurements

Date	Clock	Time	Comments	Casing	Static1	Meter1	Orifice1	Gas1	Cum.
yyyy/mm/dd	hh:mm:ss			psi(g)	psi(g)	°F	in	MMCF/D	MMCF
1	2001/03/16	10:30:00	shut in						
2		10:30:00		1146.00			0.000		
3		11:30:00							
4		11:39:00	in lubricator						
5		11:42:00	1500'						
6		11:47:00	2000'						
7		11:53:00	2500'						
8		11:58:00	2750'						
9		12:03:00	3000'						
10		12:18:00	3100'						
11		12:24:00	3200'						
12		12:31:00	3250'						
13		12:33:00	3300'						
14		12:37:00	3350'						
15		12:42:00	3400'						
16		12:46:00	3450'						
17		12:51:00	3500'						
18		12:55:00	3550						
19		13:01:00	started out						
20		13:13:00	at surface						
21		13:31:00	BATTERY On						
22		13:38:00	in lubricator						
23		13:51:00	rec @ 3550						
24		14:15:00		1150.00	0.00	0.00	0.000	0.000	0.000
25		14:15:00	open well						
26		14:20:00		1083.00	90.00	48.00	0.750	1.265	0.004
27		14:25:00		1025.00	106.00	26.00		1.499	0.009

2001/03/16 10:30:00 To 2001/03/17 15:35:00
 Gas 0.650 Cum. 0.650 MMCF



FieldNotes

Field Measurements

Date	Clock	Time	Comments	Casing	Static1	Meter1	Orifice1	Gas1	Cum.
yyyy/mm/dd	hh:mm:ss			psi(g)	psi(g)	°F	in	MMCF/D	MMCF
28	2001/03/16	14:30:00		982.00	107.00	24.00		1.515	0.014
29		14:35:00		914.00	98.00	24.00		1.400	0.019
30		14:45:00		806.00	94.00	24.00		1.349	0.029
31		14:50:00		758.00	89.00	26.00		1.282	0.034
32		15:00:00		671.00	66.00	28.00		0.988	0.041
33		15:10:00		613.00	49.00	34.00		0.769	0.048
34		15:15:00		576.00	90.00	32.00		1.287	0.051
35		15:25:00		480.00	89.00	34.00		1.271	0.060
36		15:30:00		413.00	95.00	36.00		1.344	0.065
37		15:45:00		323.00	67.00	40.00		0.988	0.077
38		15:50:00		308.00	66.00	42.00		0.974	0.080
39		16:00:00		282.00	58.00	42.00		0.874	0.087
40		17:30:00		158.00	45.00	46.00		0.711	0.136
41	2001/03/17	15:35:00		139.00	21.00	41.00		0.406	0.650
42		16:30:00		101.00	38.00	44.00	0.500	0.283	0.663
43	2001/03/18	15:35:00		94.00	23.00	40.00		0.197	0.894
44		15:40:00	shutin						
45		16:00:00		219.00					
46	2001/03/20	16:35:00		1116.20					
47		16:50:00		1117.00	0.00	0.00		0.000	0.894

2001/03/16 10:30:00 To 2001/03/17 15:35:00
 Gas 0.650 Cum. 0.650 MMCF



5-23s 12w Stafford KS

Parrish Oil Corporation
Formation: Lansing

Plot

