

OPERATOR

Company: American Warrior, Inc.
 Address: 3118 Cummings Rd
 PO BOX 399
 Garden City, Ks 67846
 Contact Geologist: Kevin Wiles
 Contact Phone Nbr: 620-275-2963
 Well Name: Weingartner-Slicker Unit #1-4
 Location: Sec.4 - T26S - R13W
 API: 15-151-22436-01-00
 Pool: _____
 State: Kansas
 Field: Frisbie Northeast
 Country: USA

Scale 1:240 Imperial

Well Name: Weingartner-Slicker Unit #1-4
 Surface Location: Sec.4 - T26S - R13W
 Bottom Location: _____
 API: 15-151-22436-01-00
 License Number: 5929
 Spud Date: 8/25/2014
 Region: Pratt County
 Drilling Completed: 9/6/2014
 Surface Coordinates: 3744' FSL & 134' FWL
 Bottom Hole Coordinates: _____
 Ground Elevation: 1936.00ft
 K.B. Elevation: 1948.00ft
 Logged Interval: 3300.00ft
 Total Depth: 4367.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical/Fresh Water Gel
 Time: 12:00 AM
 Time: 3:45 AM
 To: 4367.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: _____
 Latitude: _____
 N/S Co-ord: 3744' FSL
 E/W Co-ord: 134' FWL

LOGGED BY

Keith Reavis
Consulting Geologist

Company: Keith Reavis, Inc.
 Address: 3420 22nd Street
 Great Bend, KS 67530
 Phone Nbr: 620-617-4091
 Logged By: Logan Walker
 Name: Logan Walker

CONTRACTOR

Contractor: Duke Drilling
 Rig #: 1
 Rig Type: mud rotary
 Spud Date: 8/25/2014
 TD Date: 9/6/2014
 Rig Release: _____
 Time: 12:00 AM
 Time: 3:45 AM
 Time: _____

ELEVATIONS

K.B. Elevation: 1948.00ft
 K.B. to Ground: 12.00ft
 Ground Elevation: 1936.00ft

NOTES

This well was intentionally drilled at a slight deviation from under surface to meet right of way offset to a high pressure gas line and was deviated back to vertical @ 3380 total measured depth. Directional crew pulled tools, true vertical at this depth is 3367'

A Bloodhound gas detector operated by Bluestem Environmental was employed on this well. ROP & GAS curves were imported into this log as well as GAMMA-Caliper from E-Log suite.

ROP was off @ serval points & this curve was shifted to match E-Logs. The drill stem test intervals were also shifted to match E-Logs.

The samples from this well were saved and will be available for review at the Kansas Geological Survey well sample Library located in Wichita, KS.

Respectfully submitted,
 Logan Walker

American Warrior

daily drilling report

DATE	7:00 AM DEPTH	REMARKS
08/31/2014		Geologist Logan Walker on location @ 1105 hrs, 3288 ft, drilling ahead
09/01/2014		Drilling ahead the Topeka, Heebner, Lansing, shows in the F warrants test. TOH w/bit for DST #1, TIH w/tool
09/02/2014		TOH w/tool, TIH w/bit, conduct and complete DST #1, successful test, TIH w/bit resume drilling the Lansing G, H, shows in H warrants test TOH w/bit for DST #2 TIH w/tool, conduct and complete DST #2, successful test, TOH w/tool
09/03/2014		TIH w/bit, resume drilling the I, J, K, shows in the I, J, K warrants test TOH w/bit for DST #3, TIH w/tool, conduct DST #3
09/04/2014		Complete DST #3, successful test, TOH w/tool, TIH w/bit, resume drilling the BKS, Marmanton, Miss chert, shows in the Marmanton/Miss Chert warrants test, TOH w/bit, TIH w/tool, conducting Dst #4
09/05/2014		Complete DST #4, successful test, TOH w/tool, TIH w/bit, resume drilling the Kinderhook, Viola, Simpson shale, Simpson Sand
09/06/2014		resume drilling to TD @4367 0345hrs 9/6/14, geologist offsite 1815hrs 9/6/14

DRILLING WELL

Weingartner-Slicker #1-4
3744' FSL & 134' FWL
Sec 4-T26S-R13W

1948 KB

Formation	Log	Sub-Sea	TVD	Sub-Sea
Heebner	3538	-1590	3525	-1577
Douglas	3581	-1633	3568	-1620
Brown Lime	3690	-1742	3677	-1729
Lansing	3723	-1775	3710	-1762
Base KC	4022	-2074	4009	-2061
Marmanton	4058	-2110	4045	-2097
Conglomerate	4092	-2144	4079	-2131
Miss Chert	4134	-2186	4121	-2173
Kiderhook	4171	-2223	4158	-2210
Viola	4175	-2227	4162	-2214
Simpson Shale	4252	-2304	4239	-2291
Simpson Sand	4262	-2314	4249	-2301
Arbuckle	4291	-2343	4278	-2330
Total Depth	4367	-2419	4354	-2406




Survey Sheet

Company:	American Warrior	Job Number:	OK 14109	Calculation Method:	Minimum Curvature
Well:	Weingartner 1-4	Mag Decl.:	4.94	Proposed Azimuth	43.58
Location:	Pratt KS	Dir Driller:	Scott Boren	Depth Reference	RKB
Rig:	Duke 1	MWD Eng:	Adam Pareja	Tie Into:	MWD
Leg:	Straight	MWD Eng:	Eric Denton		

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth	Dogleg Severity (ft/100')	Build Rate (d/100')		
Tie In	0	0.00	0.00	0	0	0.00	0	0	0	0	0	0		
1	475	0.40	59.80	475	475.00	1.59	0.83	N	1.43	E	1.60	59.80	0.08	0.08
2	506	1.10	55.60	31	505.99	1.99	1.06	N	1.77	E	2.06	59.19	2.26	2.26
3	538	2.10	49.50	32	537.98	2.87	1.61	N	2.47	E	2.95	56.90	3.17	3.13
4	570	3.40	45.10	32	569.94	4.40	2.66	N	3.59	E	4.47	53.44	4.11	4.06
5	602	4.30	47.30	32	601.87	6.55	4.14	N	5.14	E	6.61	51.13	2.85	2.81
6	634	4.80	45.30	32	633.77	9.08	5.90	N	6.98	E	9.14	49.78	1.64	1.56
7	665	5.50	45.40	31	664.64	11.86	7.86	N	8.96	E	11.91	48.75	2.26	2.26
8	697	6.10	45.50	32	696.48	15.10	10.12	N	11.26	E	15.14	48.04	1.88	1.88
9	728	6.20	42.20	31	727.30	18.42	12.52	N	13.56	E	18.46	47.29	1.18	0.32
10	760	6.40	36.10	32	759.11	21.91	15.24	N	15.77	E	21.93	45.98	2.18	0.63
11	855	6.50	36.10	95	853.51	32.49	23.86	N	22.06	E	32.50	42.75	0.11	0.11
12	950	6.70	34.90	95	947.88	43.30	32.75	N	28.40	E	43.35	40.93	0.26	0.21
13	1044	6.70	34.90	95	1044.24	54.40	44.50	N	34.90	E	54.35	40.93	0.27	0.21

13	1044	6.70	38.70	94	1041.24	64.19	41.53	N	34.90	E	65.12	40.09	0.47	0.00
14	1139	6.40	43.30	95	1135.62	65.00	49.71	N	42.06	E	65.12	40.24	0.64	-0.32
15	1233	6.00	41.40	94	1229.07	75.15	57.21	N	48.90	E	75.26	40.53	0.48	-0.43
16	1326	5.60	38.70	93	1321.59	84.53	64.39	N	54.95	E	84.66	40.48	0.52	-0.43
17	1420	5.20	44.20	94	1415.17	93.36	71.03	N	60.79	E	93.49	40.56	0.70	-0.43
18	1515	4.90	42.60	95	1509.81	101.72	77.10	N	66.54	E	101.84	40.80	0.35	-0.32
19	1609	5.10	48.80	94	1603.45	109.90	82.81	N	72.40	E	109.99	41.16	0.61	0.21
20	1705	5.40	47.50	96	1699.05	118.65	88.67	N	78.94	E	118.72	41.68	0.34	0.31
21	1800	5.40	46.40	95	1793.62	127.58	94.77	N	85.47	E	127.62	42.05	0.11	0.00
22	1894	5.10	47.00	94	1887.23	136.17	100.67	N	91.73	E	136.20	42.34	0.32	-0.32
23	1989	5.40	43.80	95	1981.83	144.85	106.78	N	97.92	E	144.88	42.52	0.44	0.32
24	2083	5.40	44.50	94	2075.41	153.70	113.12	N	104.08	E	153.72	42.61	0.07	0.00
25	2178	5.20	42.90	95	2170.01	162.47	119.47	N	110.14	E	162.49	42.67	0.26	-0.21
26	2273	5.00	45.20	95	2264.63	170.91	125.54	N	116.01	E	170.93	42.74	0.30	-0.21
27	2367	5.10	46.20	94	2358.27	179.18	131.32	N	121.93	E	179.20	42.88	0.14	0.11
28	2462	4.90	44.80	95	2452.90	187.46	137.12	N	127.84	E	187.47	42.99	0.25	-0.21
29	2556	4.60	45.10	94	2546.58	195.24	142.63	N	133.34	E	195.25	43.07	0.32	-0.32
30	2650	5.40	49.10	94	2640.22	203.41	148.18	N	139.35	E	203.41	43.24	0.93	0.85
31	2745	5.40	51.50	95	2734.80	212.29	153.89	N	146.23	E	212.29	43.54	0.24	0.00
32	2839	5.70	44.90	94	2828.36	221.33	159.95	N	152.98	E	221.33	43.72	0.75	0.32
33	2933	5.50	56.80	94	2921.92	230.39	165.73	N	160.05	E	230.39	44.00	1.25	-0.21
34	3028	5.20	51.30	95	3016.50	239.08	170.91	N	167.22	E	239.11	44.37	0.63	-0.32
35	3122	4.90	54.10	94	3110.14	247.25	175.93	N	173.79	E	247.30	44.65	0.41	-0.32
36	3215	2.90	47.80	93	3202.92	253.50	179.84	N	178.75	E	253.56	44.83	2.20	-2.15
37	3288	0.60	355.80	73	3275.88	255.60	181.46	N	180.08	E	255.66	44.78	3.53	-3.15
38	3332	0.60	359.90	44	3319.88	255.92	181.92	N	180.08	E	255.97	44.71	0.10	0.00
PTB	3380	0.60	359.90	48	3367.88	256.29	182.42	N	180.08	E	256.33	44.63	0.00	0.00



DRILL STEM TEST REPORT

Weingartner-Slicker #1-4

4-26s-31w Pratt,KS

Job Ticket: 57752 **DST#: 1**

Test Start: 2014.09.01 @ 21:14:16

GENERAL INFORMATION:

Formation: **LKC "F & G"**
Deviated: Yes Whipstock: ft (KB)
Time Tool Opened: 23:13:31
Time Test Ended: 05:45:16

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: **3771.00 ft (KB) To 3826.00 ft (KB) (TVD)**
Total Depth: 3826.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

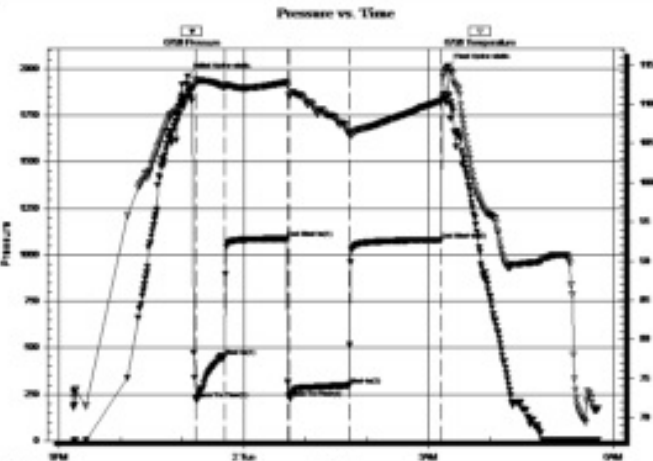
Reference Elevations: 1948.00 ft (KB)
1936.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6798 Inside

Press@RunDepth: 299.62 psig @ ft (KB)
Start Date: 2014.09.01 End Date: 2014.09.02
Start Time: 21:14:17 End Time: 05:45:16

Capacity: 8000.00 psig
Last Calib.: 2014.09.02
Time On Btrm: 2014.09.01 @ 23:05:01
Time Off Btrm: 2014.09.02 @ 03:18:46


TEST COMMENT: F: Strong Blow, BOB in 20 seconds, GTS in 6 minutes, Gauged & Caught Sample
IS: 4" Blow Back
FF: Strong Blow, BOB & GTS Immediate, Gauged Gas
FS: 1" Blow Back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1957.61	111.37	Initial Hydro-static
9	222.45	112.90	Open To Flow (1)
36	452.60	112.09	Shut-In(1)
98	1087.32	112.80	End Shut-In(1)
100	230.06	110.96	Open To Flow (2)
158	299.62	106.16	Shut-In(2)
248	1080.47	110.39	End Shut-In(2)
254	2010.75	114.74	Final Hydro-static

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
186.00	GOMCW 30%G 10%O 20%M 40%W	2.61
164.00	GOWCM 5%G 2%O 15%W 78%M	2.30

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	180.00	308.40
Last Gas Rate	0.50	100.00	771.71
Max. Gas Rate	0.25	300.00	498.76



DRILL STEM TEST REPORT

Weingartner-Slicker #1-4

4-26s-31w Pratt,KS

Job Ticket: 57753 **DST#: 2**

Test Start: 2014.09.02 @ 17:55:49

GENERAL INFORMATION:

Formation: **LKC "H"**
Deviated: Yes Whipstock: ft (KB)
Time Tool Opened: 19:34:49
Time Test Ended: 01:42:34

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: **3863.00 ft (KB) To 3893.00 ft (KB) (TVD)**
Total Depth: 3893.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

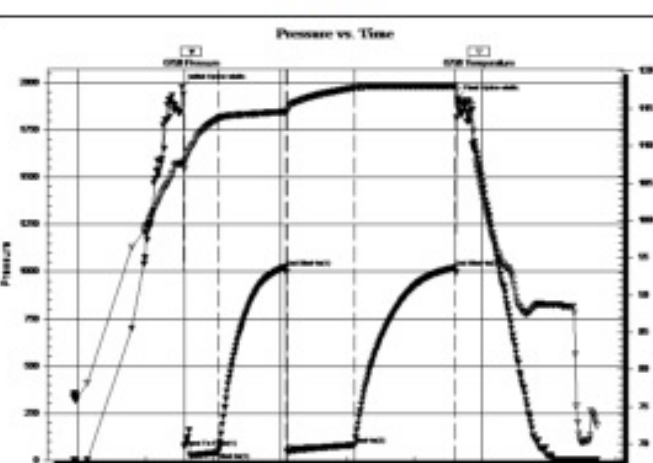
Reference Elevations: 1948.00 ft (KB)
1936.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6798 Inside

Press@RunDepth: 82.69 psig @ ft (KB)
Start Date: 2014.09.02 End Date: 2014.09.03
Start Time: 17:55:50 End Time: 01:42:34

Capacity: 8000.00 psig
Last Calib.: 2014.09.03
Time On Btrm: 2014.09.02 @ 19:32:34
Time Off Btrm: 2014.09.02 @ 23:38:04

TEST COMMENT: F: Fair Blow, BOB in 5 minutes
IS: No Blow Back
FF: Strong Blow, BOB in 3 minutes
FS: No Blow Back




Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1976.78	107.67	Initial Hydro-static
3	69.72	107.62	Open To Flow (1)
33	41.49	113.64	Shut-In(1)
93	1023.86	114.56	End Shut-In(1)
94	46.25	114.54	Open To Flow (2)
154	82.69	117.79	Shut-In(2)
244	1020.17	117.98	End Shut-In(2)
246	1916.96	116.34	Final Hydro-static

Length (ft)	Description	Volume (bbl)
0.00	186 GIP	0.00
62.00	GOMCW 4%G 4%O 24%M 68%W	0.87
92.00	GOCM 10%G 5%O 85%M	1.29

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



DRILL STEM TEST REPORT

Weingartner-Slicker #1-4

4-26s-31w Pratt,KS

Job Ticket: 57754 **DST#: 3**

Test Start: 2014.09.03 @ 20:31:00

GENERAL INFORMATION:

Formation: **LKC "I, J, K"**
Deviated: Yes Whipstock: ft (KB)
Time Tool Opened: 22:12:15
Time Test Ended: 04:07:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: **3898.00 ft (KB) To 4034.00 ft (KB) (TVD)**
Total Depth: 4034.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

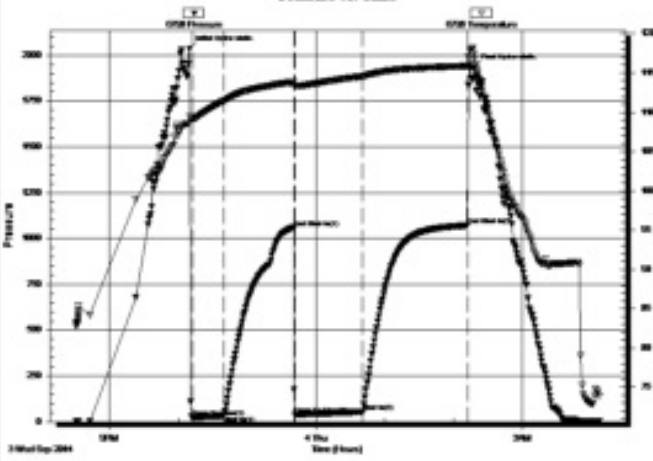
Reference Elevations: 1948.00 ft (KB)
1936.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6798 Inside

Press@RunDepth: 54.91 psig @ ft (KB)
Start Date: 2014.09.03 End Date: 2014.09.04
Start Time: 20:31:01 End Time: 04:07:15

Capacity: 8000.00 psig
Last Calib.: 2014.09.04
Time On Btrm: 2014.09.03 @ 22:09:45
Time Off Btrm: 2014.09.04 @ 02:18:00

TEST COMMENT: F: Strong Blow, BOB in 3 minutes
IS: 3" Blow Back
FF: Strong Blow, BOB in 10 seconds
FS: GTS During Bleed Off, Weak Surface Blow Back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2035.20	109.41	Initial Hydro-static
3	23.35	109.11	Open To Flow (1)
31	32.55	111.43	Shut-In(1)
91	1059.30	113.82	End Shut-In(1)
92	37.80	113.36	Open To Flow (2)
151	54.91	114.56	Shut-In(2)
243	1071.03	115.89	End Shut-In(2)
249	1933.26	116.72	Final Hydro-static

Length (ft)	Description	Volume (bbl)
0.00	3784 GP	0.00
90.00	GCM 2%G 98%M	1.26

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City, KS 67846
 ATTN: Logan Walker

Weingartner-Slicker #1-4
 4-26s-31w Pratt, KS
 Job Ticket: 57755
 DST#: 4
 Test Start: 2014.09.04 @ 20:44:02

GENERAL INFORMATION:

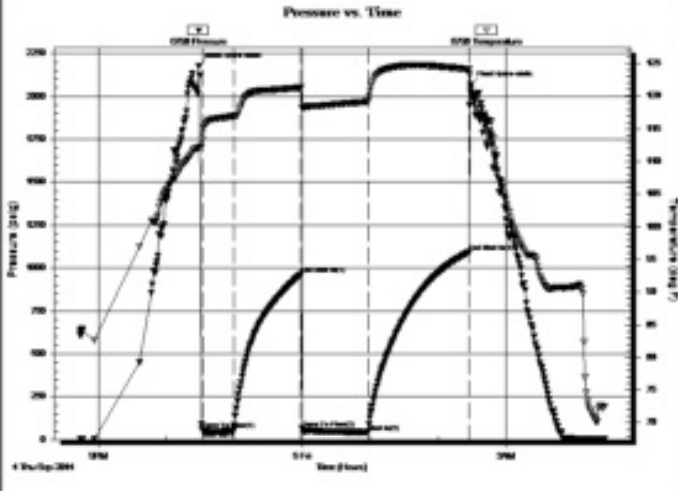
Formation: **Marmaton/Mississippi**
 Deviated: Yes Whipstock: ft (KB)
 Time Tool Opened: 22:31:32
 Time Test Ended: 04:27:02
 Interval: **4076.00 ft (KB) To 4166.00 ft (KB) (TVD)**
 Total Depth: 4166.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1948.00 ft (KB)
 1936.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 6798 Inside

Press@RunDepth: 44.79 psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.04 End Date: 2014.09.05 Last Calib.: 2014.09.05
 Start Time: 20:44:03 End Time: 04:27:02 Time On Btm: 2014.09.04 @ 22:28:47
 Time Off Btm: 2014.09.05 @ 02:28:32

TEST COMMENT:

F: Strong Blow, BOB in 1 minute
 St 3" Blow Back
 FF: Strong Blow, BOB immediate, GTS in 3 minutes, Caught Sample, TSTM
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.10	112.15	Initial Hydro-static
3	58.59	113.35	Open To Flow (1)
31	51.54	116.93	Shut-In(1)
90	963.21	121.26	End Shut-In(1)
92	61.59	118.10	Open To Flow (2)
149	44.79	119.12	Shut-In(2)
239	1092.00	124.08	End Shut-In(2)
240	2065.93	120.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
62.00	GCM 1%G 99%M	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

ROCK TYPES

Cht	Dolprim	shale, grn	shale, red
Cht vari	Lmst fw<7	shale, gry	Ss
Congl	Lmst fw7>	Carbon Sh	Cannot Int

ACCESSORIES

MINERAL Chert, dark Dolomitic Pyrite Chert White	FOSSIL Bioclastic or Fragmental Crinoids Fossils < 20% Oolite Oomoldic	STRINGER Chert Sandstone Siltstone	TEXTURE Chalky Cryptocrystalline
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OTHER SYMBOLS

Oil Show Good Show Fair Show Poor Show Spotted or Trace Questionable Stn Dead Oil Stn Fluorescence Gas	DST DST Int DST alt Core tail pipe
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Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

