

OPERATOR

Company: Falcon Exploration, Inc.
 Address: 125 N. Market Suite 1252
 Wichita, KS 67202
 Contact Geologist: Brian Fisher
 Contact Phone Nbr: 316-262-1378
 Well Name: Smith #1-5 (NW)
 Location: Sec 5 - T28S - R30W
 Pool: API: 15-069-20348-0000
 State: Kansas Field: Wildcat
 Country: USA

Scale 1:240 Imperial

Well Name: Smith #1-5 (NW)
 Surface Location: Sec 5 - T28S - R30W
 Bottom Location: API: 15-069-20348-0000
 License Number: 5316
 Spud Date: 9/23/2011 Time: 18:30
 Region: Gray County
 Drilling Completed: 10/6/2011 Time: 14:30
 Surface Coordinates: 1460' FNL & 330' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 2819.00ft
 K.B. Elevation: 2832.00ft
 Logged Interval: 3400.00ft To: 5550.00ft
 Total Depth: 5550.00ft
 Formation: Mississippian
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 1460' FNL
 E/W Co-ord: 330' 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: KLG #136 Name: Keith Reavis and Dan Fredlund

CONTRACTOR

Contractor: Sterling Drilling Company
 Rig #: 5
 Rig Type: mud rotary
 Spud Date: 9/23/2011 Time: 18:30
 TD Date: 10/6/2011 Time: 14:30
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 2832.00ft Ground Elevation: 2819.00ft
 K.B. to Ground: 13.00ft

NOTES

A Sterling Tooke Daq Gas Detector was operational from surface casing down. The gas curve data was imported from said detector into this mudlog.

It was determined from electrical log analysis and the results of drill stem test #2, that 5 1/2" production casing be set and cemented and that the Smith #1-5 be further tested through perforations in the Morrow sands.

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

Respectfully submitted,
 Keith Reavis and Dan Fredlund


Falcon Exploration, Inc.
daily drilling report

DATE	7:00 AM DEPTH	REMARKS
09/28/2011	3536	Geologist Keith Reavis on location @ 0420 hrs, 3443 ft., drilling ahead Foraker, Stotler, Tarkio
09/29/2011	4167	Geologist Dan Fredlund on location @ 13:30 hrs, @ 3550 ft. Drilling ahead at 4176 for Toronto, Lansing, Swope
09/30/2011	4626	Drilling ahead at 4626 Hertha, Marmaton, Pawnee, Cherokee.
10/01/2011	4968	Drilling for the Morrow
10/02/2011	5140	show in Morrow warrants test, conducting DST #2, geologist Keith Reavis on location 1900 hrs to relieve Dan Fredlund
10/03/2011	5140	wait on truck, try to reverse oil out, circ shear pin did not break, wait till daylight, dump load, TIH, ctch, drill into Miss, TOH to run straddle test on middle and upper Morrow sands
10/04/2011	5170	conducting DST #2, successful test, back in w/bit, ctch, resume drilling Miss/St. Gen
10/05/2011	5324	Drilling ahead, St. Gen, St. Lo
10/06/2011	5550	Drilling ahead Salem, TD @ 5550 ft., conduct logging operations and complete, geologist off location @ 1530 hrs

Falcon Exploration, Inc.
well comparison sheet

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Smith #1-5					Josserand #1-5				Lanternman #1-8			
1460' FNL & 330' FWL					380' FSL & 850' FEL				2030' FNL & 370' FEL			
Sec 5-T28S-R30W					Sec 5-T28S-R30W				Sec 8-T28S-R30W			
2832 KB					2823 KB		Structural Relationship		2821 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Stotler	3530	-698	3530	-698	3542	-719	21	21	3532	-711	13	13
Tarkio	3604	-772	3602	-770	3616	-793	21	23	3603	-782	10	12
Bern	3700	-868	3700	-868	3712	-889	21	21	3700	-879	11	11
Topeka	3803	-971	3800	-968	3812	-989	18	21	3804	-983	12	15
Heebner	4142	-1310	4140	-1308	4151	-1328	18	20	4146	-1325	15	17
Lansing	4242	-1410	4236	-1404	4250	-1427	17	23	4249	-1428	18	24
Stark	4591	-1759	4590	-1758	4614	-1791	32	33	4606	-1785	26	27
Marmaton	4740	-1908	4738	-1906	4746	-1923	15	17	4753	-1932	24	26
Pawnee	4818	-1986	4822	-1990	4843	-2020	34	30	4836	-2015	29	25
Cherokee	4871	-2039	4870	-2038	4889	-2066	27	28	4881	-2060	21	22
Morrow	5071	-2239	5070	-2238	5098	-2275	36	37	5089	-2268	29	30
Morrow Sand	5076	-2244	5078	-2246	5103	-2280	36	34	5120	-2299	55	53
Mississippian	5146	-2314	5154	-2322	5139	-2316	2	-6	5146	-2325	11	3
Salem	5475	-2643	5474	-2642	5473	-2650	7	8	np			
Total Depth	5550	-2718	5552	-2720	5547	-2724	6	4	5406	-2585	-133	-135

Drill Stem Test #1



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Falcon Exploration Inc. **5/28/30**
 125 N Market street ste. 1252 Wichita Ks. 67202 **Smith #1-5 nw**
 Job Ticket: 42291 **DST#:1**
 ATTN: Keith R Test Start: 2011.10.02 @ 10:45:00

GENERAL INFORMATION:

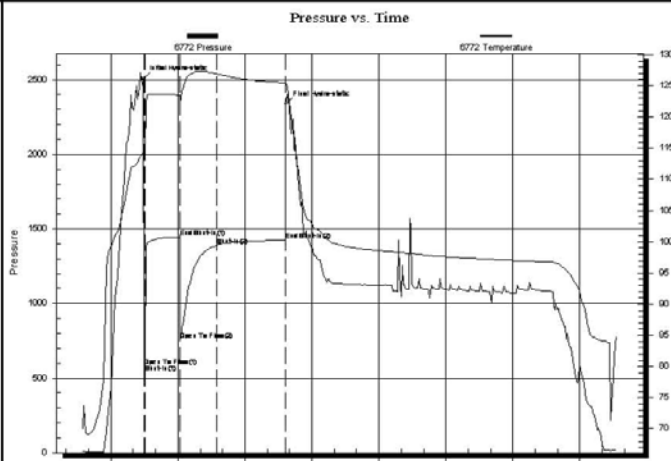
Formation: **Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:28:00
 Time Test Ended: 10:40:45
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Harley Davidson
 Unit No: 33
 Interval: **5066.00 ft (KB) To 5140.00 ft (KB) (TVD)**
 Reference Elevations: 2831.00 ft (KB)
 Total Depth: 5140.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches-Hole Condition: Fair
 KB to GR/CF: 2819.00 ft (CF)

Serial #: 6772 Outside

Press@RunDepth: 1387.29 psig @ 5069.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.03 End Date: 2011.10.03 Last Calib.: 2011.10.03
 Start Time: 10:45:05 End Time: 10:40:44 Time On Btm: 2011.10.02 @ 13:26:15
 Time Off Btm: 2011.10.02 @ 19:50:15

TEST COMMENT: IF- Strong blow BOB, ASAO.
 IS- No blow back
 FF- Strong blow BOB, ASAO, GTS, 1 hour. TSTM.
 FS- Strong blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2504.81	114.22	Initial Hydro-static
2	577.75	113.97	Open To Flow (1)
7	594.04	114.15	Shut-In(1)
99	1445.22	123.53	End Shut-In(1)
100	755.99	122.24	Open To Flow (2)
199	1387.29	126.91	Shut-In(2)
383	1424.55	125.50	End Shut-In(2)
384	2334.32	125.66	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
1008.00	trace water and mud 20%gas80%oil	11.39
1932.00	5%gas5%mud90%water trace oil <1%	27.10

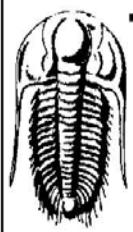
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 42291

Printed: 2011.10.04 @ 13:21:24

Drill Stem Test #2



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Falcon Exploration Inc. 5/28/30

125 N Market street ste. 1252 Wichita Ks. 67202 **Smith #1-5 nw**

Job Ticket: 42292 **DST#:2**

ATTN: Keith R Test Start: 2011.10.03 @ 21:45:00

GENERAL INFORMATION:

Formation: **Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:13:50
 Time Test Ended: 12:27:10

Test Type: Conventional Straddle (Initial)
 Tester: Harley Davidson
 Unit No: 33

Interval: **5064.00 ft (KB) To 5112.00 ft (KB) (TVD)**
 Total Depth: 5170.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches-Hole Condition: Fair

Reference Elevations: 2831.00 ft (KB)
 2819.00 ft (CF)
 KB to GR/CF: 12.00 ft

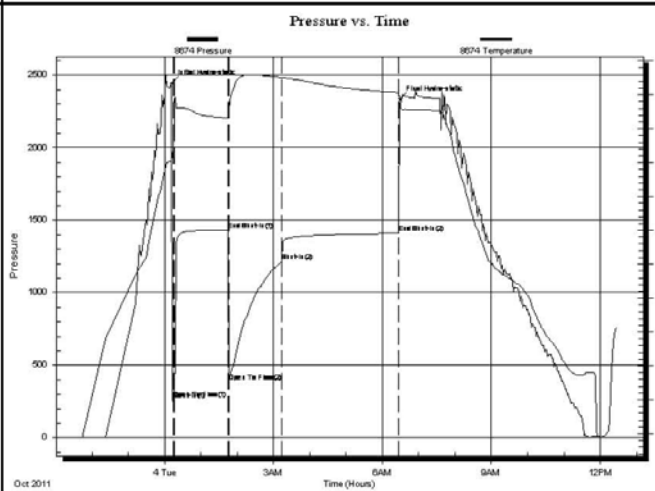
Serial #: 8674

Press@RunDepth: 1216.97 psig @ ft (KB)
 Start Date: 2011.10.03 End Date: 2011.10.04
 Start Time: 21:45:05 End Time: 12:27:10

Capacity: 8000.00 psig
 Last Calib.: 2011.10.04
 Time On Btm: 2011.10.04 @ 00:11:50
 Time Off Btm: 2011.10.04 @ 06:28:30

TEST COMMENT: IF- Strong blow BOB 1min.
 IS- No blow back
 FF- Strong blow BOB 1min, GTS 1hour 15min, TSTM
 FS- Strong blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2442.41	115.32	Initial Hydro-static
2	271.21	117.19	Open To Flow (1)
5	322.42	124.38	Shut-In(1)
94	1434.41	121.53	End Shut-In(1)
95	389.00	122.56	Open To Flow (2)
182	1216.97	127.55	Shut-In(2)
375	1410.40	125.35	End Shut-In(2)
377	2335.79	124.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
992.00	80%oil20%gastrace of mud	11.16
558.00	20%gas 80%oil trace of mud and water	7.83
186.00	20%mud30%water50%oil	2.61
124.00	5%oil5%gas10%mud80%water	1.74
744.00	100%water trace of gas and oil	10.44

Gas Rates

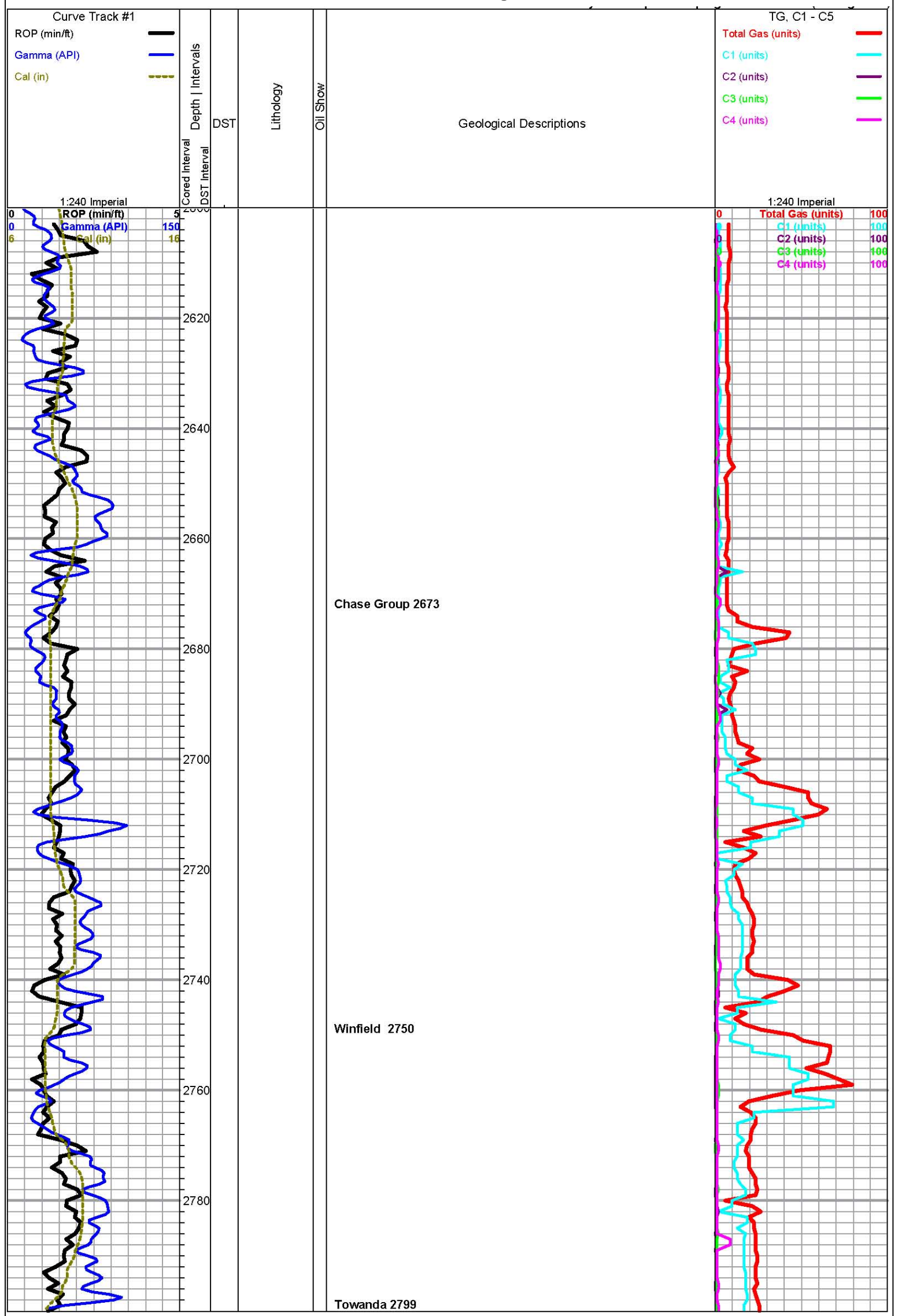
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 42292

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Shallow Gas Log



ROCK TYPES

Dolprim	Lmst fw7>	shale, gry	shale, red	Slst
Lmst fw<7	shale, gm	Carbon Sh	Ss	

ACCESSORIES

MINERAL	FOSSIL	STRINGER	TEXTURE
▲ Chert, dark	△ Brachiopod	— Shale	C Chalky
▲ Dolomitic	▽ Bryozoa	— green shale	CX Cryptocrystalline
∩ Glauconite	∅ Foraminifera	— red shale	L Lithogr
× Mineral Crystals	∅ Fossils < 20%		
P Pyrite	∅ Oolite		
• Sandy	∅ Pellets		
△ Chert White	∅ Oomoldic		

OTHER SYMBOLS

MISC	DST
Daily Report	DST Int
Digital Photo	DST alt
Document	Core
Folder	tailpipe
Link	
Vertical Log File	
Horizontal Log File	

