

Stanolind #1 Donovan
Center at SE 14-26-18W, Edwards County, Ks
Elevation 2167'

14-26-18W
C SE SE

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- 2335-95 red and green shale predominant, gyp, tan green dolomite 10%,
traces anhydrite
- 2405 tan and grey granular dolomite, trace anhydrite
- 2415 same and red and grey shale 40%
- 2425 red, green and grey shale, trace dolomite
- 2435 tan finely granular dolomite, red, green and grey shale
- 2445 medium grey granular dolomite, red, green and grey shale, bryozoans
- 2455 medium grey granular dolomite, tan granular lime, variegated shale
- 2465 medium grey coarse fossiliferous lime, crinoids
- 2475 grey to tan coarse fossiliferous lime, some slightly argillaceous lime
- 2485 medium grey to tan finely granular slightly dolomitic lime, red shale 25%
- 2495 red, green and grey shale
- 2505 red, green and grey shale, tan dolomitic lime 10%. 3 pieces white opaque chat
- 2535 samples missing
- 2545 grey to tan granular to coarse crystalline lime, fossiliferous
- 2555 grey to tan granular to coarse lime
- 2565 same and red and grey shale
- 2575 variegated shale, surface sand, tan and grey lime
- 2585 green, red and grey shale
- 2595 light tan dense to finely granular lime, fusulinids
- 2605 samples missing
- 2615 medium grey coarse semi porous fossiliferous lime, fusulinids, 3 pieces
granular white chat
- 2625 medium grey coarse semi porous fossiliferous lime, many fusullina, much
white granular spicular chat
- 2635 medium grey coarse semi porous fossiliferous lime, many fusullina, medium
grey chat, white spicules
- 2645 red, green and grey shale, trace grey siliceous lime
- 2655 red, green and grey shale, light grey to buff fossiliferous semi porous
lime, some obolitic
- 2685 light buff dense to granular lime, some slightly colitic, red, green and
grey shale
- 2675 light grey to buff granular to semi crystalline lime
- 2685 medium grey to tan dense to semi crystalline mottled lime
- 2695 medium grey to tan dense to semi crystalline mottled lime, some coarsely
fossiliferous
- 2705 same
- 2715 medium grey coarse mottled lime, spines, 1 pieces grey and white mottled chert
- 2725 medium grey coarse mottled lime, spines, 3 pieces grey chat, white spicules
- 2735 same
- 2745 same 50%, red and grey shale
- 2755 medium grey coarse argillaceous lime, grey and red shale
- 2765-75 red, green and grey shale
- 2785 tan coarsely granular to semi crystalline lime
- 2795 medium to dark grey shale, red shale, tan lime 20%
- 2805 medium grey enish grey shale, tan to grey lime 20%
- 2805-15 grey drab dense to granular lime, red shale
- 2825 grey drab dense to green lime, red and green shale 50%
- 2835 red, green and grey shale, grey lime 25%
- 2845 medium grey granular lime, red and grey shale, 1 pieces smoky chat
- 2855 grey to tan granular to semicrystalline lime
- 2865 medium grey coarse argillaceous lime
- 2875 medium grey to tan coarse plat argillaceous lime
- 2885 same, red and grey shale
- 2895 same

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3890	light to medium grey granular lime, some semi crystalline and semi porous
3900	light to medium grey granular to semi crystalline mottled lime, trace black shale
3902	light to medium grey granular to semi crystalline mottled lime, dark grey shale 25%
9904	light to medium grey granular to semi crystalline mottled lime, red and green shale 20%
3906	light grey to buff dense to granular lime, red and grey shale 25%
3908	light to medium grey buff semi crystalline lime, some oolites and slightly porous
3910	light to medium grey buff semi crystalline lime some oolitic
3912-16	light to medium grey buff semi crystalline to dense lime
3918	light to medium grey buff semi crystalline to dense platy lime
3920	same, 1 fusulinid
3920-30	medium grey buff dense to crystalline lime, bryzoan, dark grey and red shale 25%
3940	red and greenish grey shale, crystalline buff lime 40%
3950	dark grey dull shale, red shale 25, lime 10%
3960	dark grey dull shale
3970	green, gray and dark grey shale, buff lime 20%
3980	medium grey sandy shale, buff lime
3990	medium grey and red shale, buff and grey semi crystalline lime 20%
4000	medium to dark grey lumpy shale, buff grey semi crystalline lime 20%
4005	red, green and grey shale
4010	red, green and grey sandy shale
4015	red, green and grey sandy shale, buff platy lime 10%
4020	medium grey dull shale, light grey buff semi crystalline lime 10%
4025	medium, grey, dull lumpy shale, some dark grey fissile shale
4030	green grey dr-b sandy shale
4035	same 4040 same
4045-54	medium buff coarse platy lime

Sample Log

Top Anhydrite	1167
Top Fort Riley	1495
Top Florence Flint	2600
Base Florence Flint	2635
Top Wreford	2710
Base Wreford	2738
Top Lansing	4040

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- 4054-63 light buff dense semi crystalline lime, fcs small oolites
4070 clear to light buff fine crystalline lime
4074 same, some medium gray argillaceous lime
4085 same, some oil stain, dark gray shale
4100 dark gray to black shale, light tan dense platy vitreous lime
4113 same, trace white chat
4119 clear to light buff finely crystalline vitreous lime, some white chat
4128 light buff dense lime, some crystalline, ostrocods, black shale 20%
4138 light buff dense and finely crystalline vitreous lime
4150 same, trace white chat
4160 light tan dense lime, some vitreous, trace white chat
4170-85 medium gray dense argillaceous lime
4191 tan dense platy lime, some large oolites
4195 medium gray tan semi crystalline slightly argillaceous lime, some oolitic
4199 same, some oolitic, some dense platy
4206 same, black shale 20%
4222 light buff dense and semi crystalline lime, dark gray to black shale 40%
4216 light buff dense and semi crystalline lime, tan clear spicular chat,
some brown chat
4225 medium and dark gray shale, dark gray semi crystalline argillaceous
fossiliferous lime 25%
4232 medium gray buff semi oolitic and dense vitreous lime, tan translucent chat 5%
4242 buff vitreous oolitic porous lime, white opaque chat 5%
4245 buff vitreous ~~black~~ finely oolitic semi porous lime
4247 same, black shale 20%
4256 light gray tan semi crystalline oolitic porous lime, black shale 15%
4259 medium gray dense platy lime
4265 same, medium to dark gray shale 75%
4272 medium gray to black shale, some has slight green tinge
4279 same 50%, light buff dense and semi oolitic some white opaque chat
4288 buff dense platy lime, white and cream opaque chat 20%, dark gray shale 40%
4294 medium to light gray dense platy lime, white chat 5%, dark gray shale 40%
4297 same
432 dark gray coarse micaceous shale, medium gray dense lime 20%
4313 same

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McNeil

4313-20	dark gray to black shale, buff dense platy lime
4326	light to medium gray dense platy and argillaceous lime, some vitreous
4332	gray and tan dense platy vitreous lime, some semi crystalline
4338	same, some argillaceous
4343	same, increasingly argillaceous - dark gray shale 20%
4350	same, decrease gray shale, trace gray chat
4355	same, trace gray chat, dark gray shale 50%
4362	dark gray and tan dense platy argillaceous vitreous lime, black shale 50%
4367	dark gray to black shale, pyrite, dense platy argillaceous lime
4371	dark gray to black lumpy shale, pyrite
4376	same, light gray dense lime, gray and tan chat
4385	medium gray and tan dense platy vitreous lime, some argillaceous, gray chat, dark gray shale
4390	same
4398	same, dark gray shale 50%
4404	dark gray and black flaky shale, pyrite
4406	same, some green gray and brown shale
4412	same
4415	green gray soft shale predominant
4417	same

Top Fort Riley	2495
Top Florence Flint	2600
Base " "	2635
Top Wreford	2710
Base " "	2738
Top Lansing	4040

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Stanolind #1 Donovan
SE SE 14-26-18W Edwards County, Ks
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McNeil

4417-20 green gray flaky calcareous shale, dark gray argill ceous lime
4425 same
4435 same, trace red shale
4443 same

Top Ft Riley	2495
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Top Lansing	4040

Stanolind #1 Donovan
Center SE SE 14-26-18W Edwards C^u
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McNeil

4445-48 light green gray and some red soft flaky reworked shale, few quartz grains
4451 same, few semi angular quartz grains
4456 same, decrease red shale
4460 same, trace gray tan dense lime
4468 gray tan dense semi clear argillaceous lime
4470 same, more argillaceous, spines, trace green gray shale
4483 same, some gray shale
4490-4500 same, lime lighter in color, green gray, gray and brown shale 25%
4508 same, increase dark gray shale
4510-12 light green and brown soft flaky shale, stained lime pebbles
4521 same, gray dense semi clear lime
4525 same, decrease lime
4527 green and brown soft flaky reworked shale, some brown dense lime
4532 same, light brown clear semi clear lime 80%
4535 same, increase medium gray shale
4538 same, increase light tan clear lime 80%
4540 same, increase green, gray and gray reworked shale
4545 white to light gray clear chat, greenish finely granular glauconitic lime
4551 same, decrease lime
4557 medium green and red shale
4555 same, some light gray and tan clear chat
4560 same, no chat, some light gray fine consolidated sand
4563 same
4566 medium green gray shale, light to dark gray fine micaceous sand 30%,
asphalt stain
4569 same, sand 40%, lighter in color, some clear quartzitic
4573 medium green gray reworked shale, trace gray stained dense lime
4576 same, gray fine angular grained consolidated sand 75%
4580 same, gray few angular grained consolidated sand 10%

Top Ft Riley	2495
Top Florence Flint	2600
Base " "	2635
Top Wreford	2710
Base " "	2736
Top Lansing	4040 Samples

4040
2167

-1873

Stanclind #1 Donovan
 C SE SE 14-26-18W Elevation 2167' Edward

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- 4578-80 clear very fine angular sandstone rust
- 4586 clear very fine angular sandstone pipe rust abundant
- 4595 clear very fine angular sandstone pipe rust
- 4607 clear very fine angular sandstone pipe rust abundant
- 4621 clear ver. fine angular sandstone pipe rust abundant
- 4629 clear very fine angular sandstone almost quartzitic pipe rust abundant
pieces light gray chert
- 4532 pieces medium reddish gray shale light to medium gray dense chert
- 4540 light to medium gray dense chert pieces reddish gray chert, some
reddish gray ledges shale
- 4542 medi m gray to gray and reddish gray dense blocky chert
- 4545-50 white to light gray clear chert
- 4555 white to light gray clear chert some pink gray chert, pieces reddish shale
- 4560 white to light gray clear cherty lime, pieces white devitrified cherty lime,
some clear semi crystalline dense lime
- 4565 white semi crystalline dense to fine grained lime
- 4570-76 white semi crystalline pulverized lime
- 4579-86 light gray pulverized cherty lime
- 4590 light gray pulverized cherty lime less cherty
- 4717 white clear semi crystalline pulverized lime
- 4719 white to light gray clear crysta line dense lime pieces drab gray shale
- 4730 white coarsely crystalline lime
- 4749 white to light gray lime
- 4754 white to light gray dense lime clear
- 4769 light gray tan dense lime, pieces pink tan lime, pieces reddish gray shale
- 4774-85 white to light gray coarsely semi crystalline lime soft, typical Viola lime
- 4790 tan dense lime few medium rounded clear sand grains in lime
- 4796 pale green shale 60%, white clear dense lime
- 4808 white devitrified clear lime devitrified white chert
- 4811 pale light green shale predominant some clear fine grained quartzitic sandstone
- 4814 pale light green shale, few large rounded clear quartz grains, large black
phosphate pebbles abundant
- 4817 pale light gray shale predominant, black phosphate pebbles
- 4823 pale light green shale predominant, some clear quartzitic sandstone
- 4828 clear fine angular sand predominant
- 4832 clear fine angular sandstone 40, pale green shale 50
- 4844 pale light green shale predominant, phosphate pebbles some fine sand
- 4848 clear fine crystalline to medium crystalline dolomite
- 4854 clear medium fine cluster sandstone, some pale green shale
- Top Upper Cherty Viola 4628
- Top True White Viola 4716
- Top of Simpson 4808

4628

4656
 4542

 114

4628
 4040

 588

4
 2475
 1861

 614

2475
 1861

 614

4628
 2167

 2461

-1873 LANZ



4872
 2167

 9705

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Bear

-
- 4854-64 dark greenish gray bl ck shale, pyrite abundant phosphate
 - 4870 same
 - 4874 white to light tan platy dense dolomite, one piece white cherty oolitic chert
 - 4880 some clear crystalline dolomitic shale, conings abundant 90%
 - 4884 white crystalline to dense dolomite, green shale conings abundant 60%
 - 4888 white to tan crystalline dense dolomite 30, green shale 70%
 - 4890-92 dark green gray shale 95, pieces tan crystalline dense dolomite
 - 4897 clear crystalline crumbly dolomite, 30, green gray shale 30
 - 4900 clear tan vitreous dolomite, pieces oolitic, partly porous dolomite
predominant 60%, possibly water
 - 4905 clear tan vitreous crystalline dense dolomite 50, considerable green gray
shale 50

Siliceous lime

487??

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McNeil

4905-17 light tan clear crystalline dolomite
4928 same

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Top Ft Riley	2495
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Base " "	2635
Top Wreford	2710
Base " "	2738
Top Lansing	4040
Top Cherty Viola	4628
Top White Viola	4716
Top Simpson	4808
Top Siliceous	4872
Definitely Siliceous	4892
T D	4984
D&A	

4872
2167

2705

4040
2167

4873