

#3S CATTLEMAN
 300' SE of 2 OW . Settling Pond
 Elevation 838 GL
 Top Mississippi 544 EST
 Surface Pipe
 V.S. 5-19-87

- 343 - 353 Black shale, few pieces gray.
- 353 - 363 As above.
- 363 - 373 Gray sandstone. Fine grain. Tight. No show, no odor.
- 373 - 383 Gray sand, shale, and sandy shale. Tight. NS, NO.
- 383 - 393 Black gray shale.
- 393 - 403 Gray shale.
- 403 - 413 Gray shale.
- 413 - 423 Gray shale and black sandy shale.
- 423 - 433 Gray sandy shale, few pieces dark brown LM.
- 433 - 443 Gray sandy shale.
- 443 - 453 Bartlesville. Black and gray shale with fine tight sand clusters. No show, no odor.
- 453 - 463 Gray shale and sand. Very tight. No show, no odor.
- 463 - 473 Gray sandy shale with coal.
- 473 - 483 Gray and black shale with few pieces of coal.
- 483 - 493 Gray shale and black shale with lime streaks and iron pyrite.
- 493 - 503 Gray to black shale with few pieces iron pyrite and tan lime.
- 503 - 513 Black shale. Few pieces white lime and dark gray hard shale.
- 513 - 523 Black shale with iron pyrite.
- 523 - 533 Riverton coal and iron pyrite @ 529'. More iron pyrite than I ever saw.
 529' test - 4000 cu. ft.
 Coal and shale with alot of iron pyrite.

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533 - 543 535 Mississippi, lime and iron pyrite. Show oil,
fair odor.

535 - 537 Lime, few pieces chat. Fair show of oil.
Test 49 Thousand cu. ft.

537 - 539 White cherty lime. Show of oil, fair odor, fair oil.
Test 63,000.

539 - 542 Lime with chert. Slight show of oil. Test 124,000.

542 - 544 Lime & chert, less oil show, more cherty lime.
Test 1,549,000. cu. ft.

544 - 548 G.L. T.D.

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