

OPERATOR

Company: Charles N. Griffin
Address: PO Box 347
Pratt, KS 67124

Contact Geologist:
Contact Phone Nbr:

Well Name: #2 Addie
Location: Section 28-29S-15W
Pool:
State: Kansas

API: 15-151-22487
Field: Croft
Country: USA

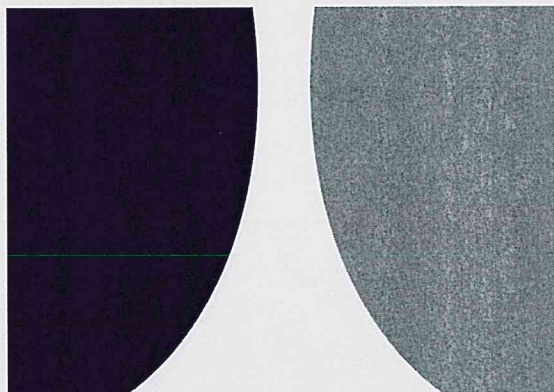
Scale 1:240 Imperial

Well Name: #2 Addie
Surface Location: Section 28-29S-15W
Bottom Location:
API: 15-151-22487
License Number:
Spud Date: 4/12/2019 Time: 5:45 PM
Region: Pratt County
Drilling Completed: 4/17/2019 Time: 8:30 PM
Surface Coordinates: 1190' FSL / 790' FWL
Bottom Hole Coordinates:
Ground Elevation: 1980.00ft
K.B. Elevation: 1991.00ft
Logged Interval: 3800.00ft To: 4806.00ft
Total Depth: 4806.00ft
Formation:
Drilling Fluid Type: Chemical (MudCo)

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: Latitude:
N/S Co-ord: 1190' FSL / 790' FWL
E/W Co-ord:

LOGGED BY



TERRATECH
ENERGY SERVICE, LLC

Company: TerraTech Energy Service LLC.
Address: 1632 S. West St. Suite 12
Wichita, KS 67208

Phone Nbr: 316-617-3959
Logged By: Geologist

Name: Bruce Reed

CONTRACTOR

Contractor: WW Drilling
 Rig #: 4
 Rig Type: mud rotary
 Spud Date: 4/12/2019
 TD Date: 4/17/2019
 Rig Release: 4/18/2019

Time: 5:45 PM
 Time: 8:30 PM
 Time: 11:45 PM

ELEVATIONS

K.B. Elevation: 1991.00ft Ground Elevation: 1980.00ft
 K.B. to Ground: 11.00ft

NOTES

Surface Casing: 8-5/8" at 267'
 Production Casing: 5-1/2" at 4807'

Daily Penetration: 04/12/19 Spud @ 5:45 PM
 04/13/19 267'
 04/14/19 2020'
 04/15/19 3180'
 04/16/19 4135'
 04/17/19 4587' RTD @ 8:30 PM
 04/18/19 4806' Rig released @ 11:45 PM

FORMATION TOPS

Formation	Sample Top	Datum	Log Top	Datum	Comparison*
Heebner	3896'	-1905	3902'	-1911	-11
Brown Lime	4058'	-2067	4064'	-2073	-11
Lansing	4075'	-2084	4078'	-2087	-9
Stark	4337'	-2346	4342'	-2351	-13
Base KC	4461'	-2470	4066'	-2075	-4
Pawnee	4522'	-2531	4528'	-2537	-4
Cherokee	4560'	-2569	4563'	-2572	-2
Mississippi	4587'	-2596	4588'	-2597	+33
Viola	4640'	-2649	4645'	-2654	-4
Simpson	4764'	-2773	4668'	-2677	-12

*Griffin Management, #1 Addie, 1850' FSL & 260'FWL Section 28-29S-15W, Pratt County, Kansas

ROCK TYPES

 Cht
  Lmst fw7>
 Dolprim
  shale, gry
  Carbon Sh
 Ss

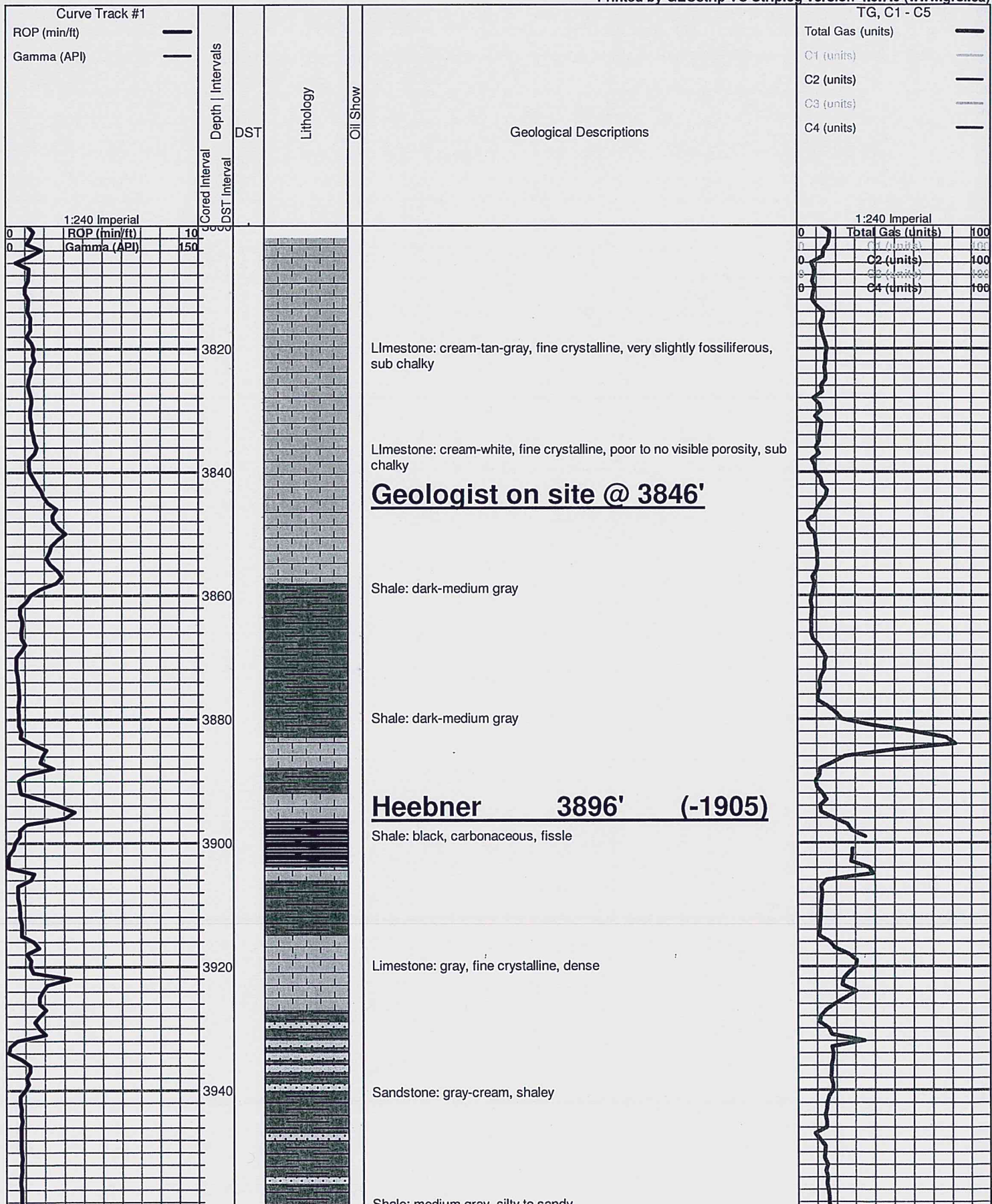
OTHER SYMBOLS

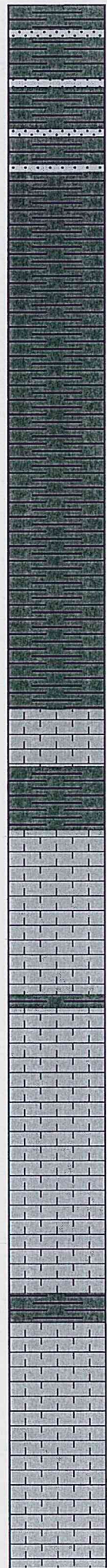
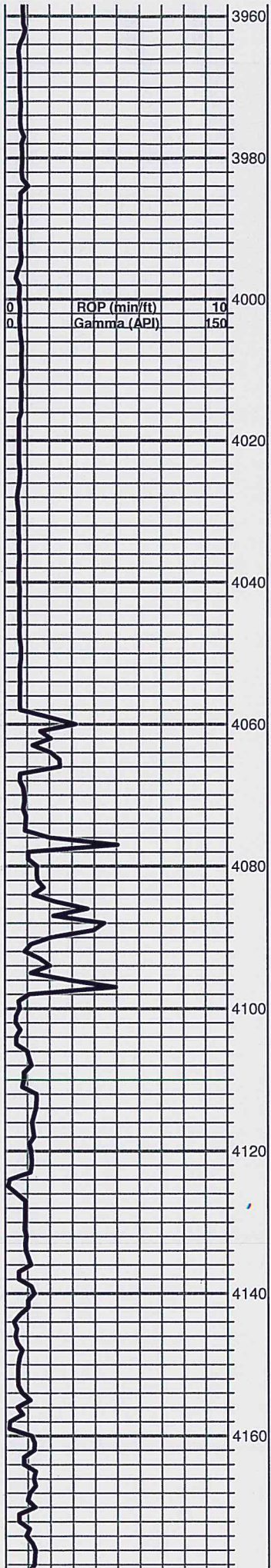
INTERVALS Oil Show DST

■ Core
 · DST

● Good Show
 ● Fair Show
 ● Poor Show
 ○ Spotted or Trace
 ○ Questionable Stn
 D Dead Oil Stn
 ■ Fluorescence
 * Gas

■ DST Int
 ■ DST alt
 ■ Core
 || tail pipe





Shale: medium gray, silty to sandy

Shale: medium gray, silty to sandy

Shale: dark-medium gray

Shale: as above

Shale: as above

Brown Lime 4058' (-2067)

Limestone: light brown, tan, fine crystalline, no visible porosity, dense

Lansing 4075' (-2084)

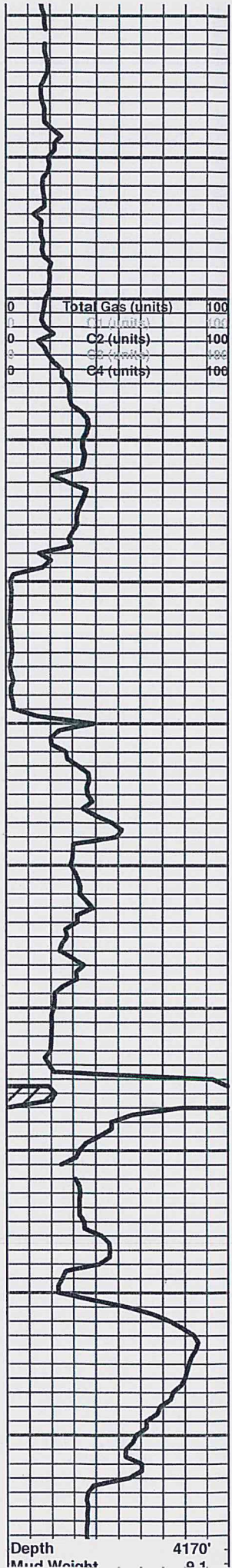
Limestone: cream-gray, fine crystalline, slightly fossiliferous, dense

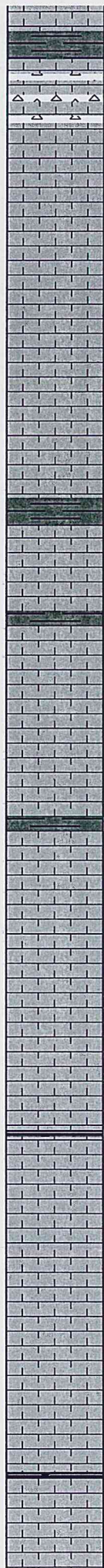
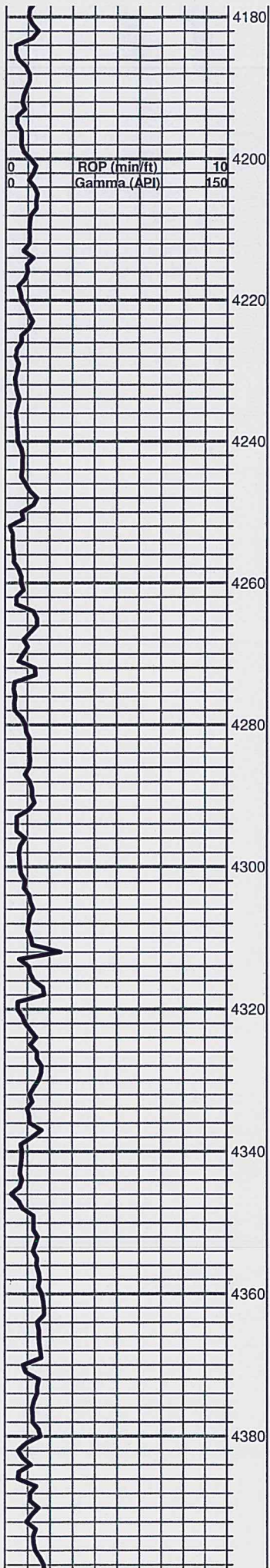
Limestone: cream-gray, fine crystalline, chalky, sub shaley

* Limestone: cream-gray-light tan, fine crystalline, some visible porosity, slight odor in fresh, rare gas bubble

Limestone: as above, decrease in odor or shows

Limestone: light tan-white, fine crystalline, chalky, samples wash white





Limestone: light tan-cream, fine crystalline, slightly fossiliferous, poor visible porosity

Limestone: cream-light tan, fine crystalline, slightly fossiliferous, poor visible porosity, chalky to very slightly cherty

Limestone: gray-light tan, fine crystalline, slightly fossiliferous

Limestone: cream-gray, highly fossiliferous, poor to fair visible porosity

Limestone: gray-cream-white, fine crystalline to fossiliferous, chalky

Limestone: gray-white, fine crystalline, slightly fossiliferous, chalky

Limestone: light tan-cream-white, fine crystalline to fossiliferous, poor to fair visible porosity, chalky

Limestone: as above, more fine crystalline, poor visible porosity, dense

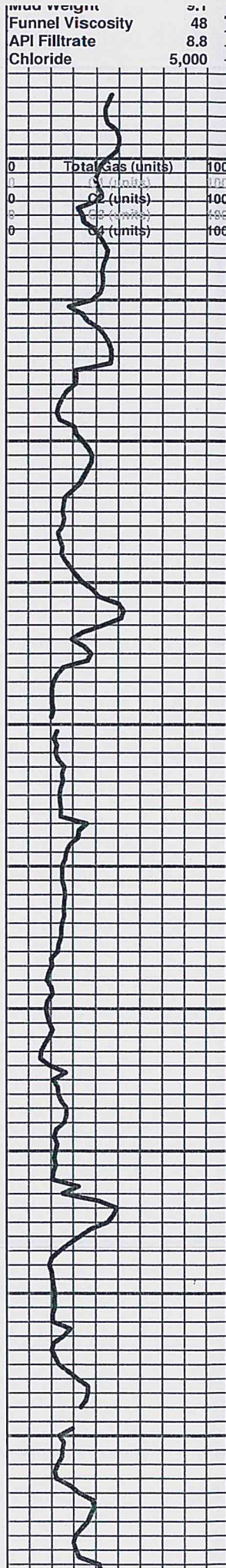
Stark 4337' (-2346)

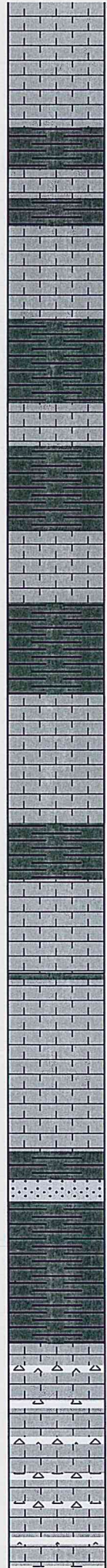
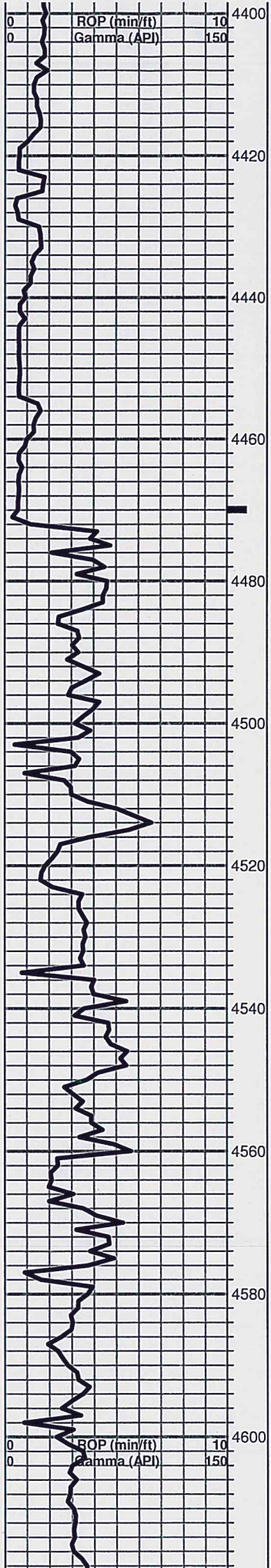
Shale: black-dark gray

Limestone: light-tan-cream-white, fine crystalline, trace oolitic piece, poorly developed, very chalky, faint odor, no show free oil

Limestone: light tan-white, fine crystalline, decrease in chalky material

Limestone: cream-gray, fine crystalline, few pieces highly fossiliferous





Limestone: cream-gray, fine crystalline, few pieces highly fossiliferous, both odor and slight show free oil when broken, sub chalky

Flood gray-green shale

Limestone: cream-light gray, fine crystalline to slightly fossiliferous, few medium crystalline piece, odor in fresh, no show free oil

B/KC 4461' (-2470)

Circulated at 4470' Flood light gray-green silty shale

Limestone: gray, fine crystalline, very dense

Shale: varicolored

Limestone: cream-gray, fine crystalline, dense

Limestone: as above

Shale: dark-medium gray

Pawnee 4522' (-2531)

Limestone: cream-medium gray, fine crystalline, poor to visible porosity, dense

Limestone: as above, trace dark gray-black shale

Limestone: cream-gray-white, fine crystalline, very slightly fossiliferous, sub chalky

Cherokee 4560' (-2569)

Shale: gray-green-black, few sandstone clusters, white, fine grained, moderately friable, very slight odor, no show free oil

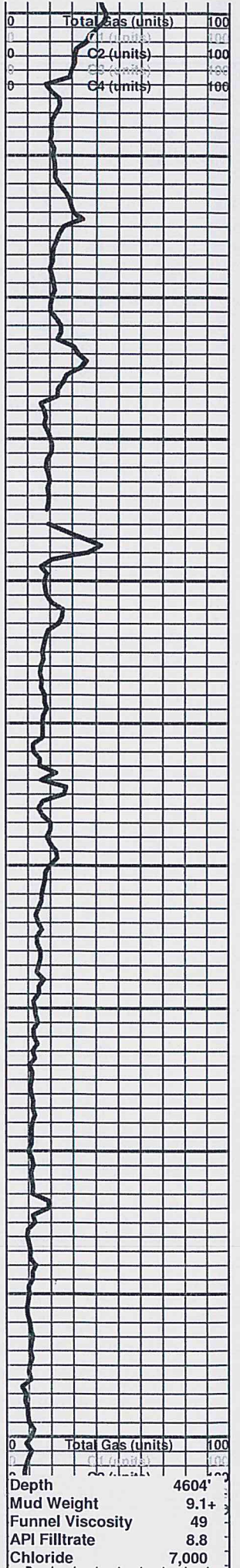
Varicolored shales

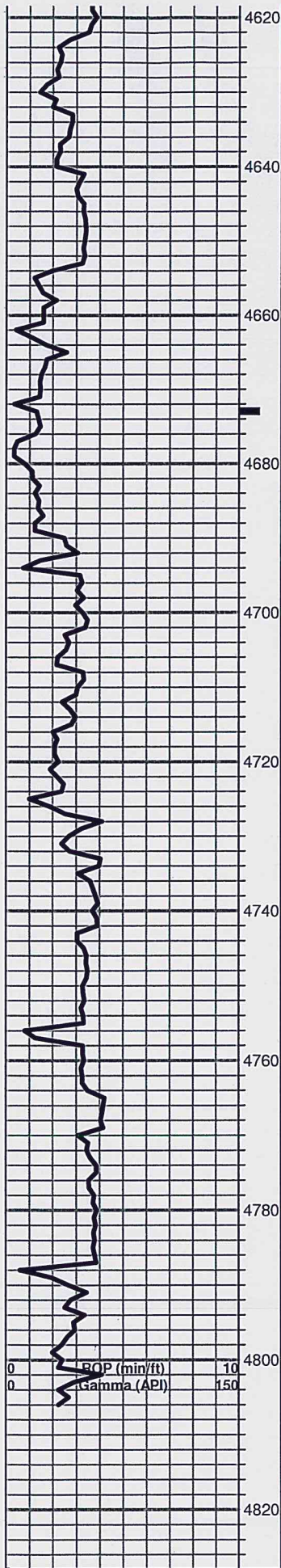
Mississippian 4587' (-2596)

Limestone: white-cream, fine crystalline, very chalky, some vitreous cream chert

Limestone: chalky white, very cherty, no shows

Limestone: cream-white, lots of white-amber vitreous chert, trace chalky, no shows





Limestone: cream-pale green, dense, mostly vitreous chert

Chert: 90% vitreous, white-off white-amber, few pieces weathered, no shows

Viola 4640' (-2649)

Limestone: white, very chalky

Limestone: cream-white, fine crystalline, poor to no visible porosity, sub chalky, scattered vitreous chert, sharp and blocky, odor in fresh sample, some bright yellow fluorescence, no show free oil

Dolomite: light tan, fine crystalline, sucrosic, poor visible inter-crystalline porosity, some vitreous chert, odor

Circulated at 4672' Dolomite: light-tan-brown, fine crystalline, sucrosic, poor to fair inter-crystalline porosity with some scattered vugs, chert white, semi weathered on edges, cavernous porosity, good strong odor in fresh, show free oil, gas bubble, bright fluorescence with acid

Cherty dolomite as above

Dolomite: light tan-brown, fine crystalline, sucrosic, some visible porosity, scattered chert, weathered on edge with cavernous porosity, good strong odor, show free oil, bright yellow fluorescence after acid

Cherty dolomite: light brown-sucrosic, little tighter, chert appears more cream-white 50/50 mix vitreous and weathered, slight decrease in odor, fair fluorescence, show free oil

Cherty dolomite: more light gray-light tan, fine crystalline, sucrosic, looks tite, very cherty, speckled, no odor, very slight show free oil, spotted fluorescence

Cherty dolomite

Cherty dolomite, no show

Cherty dolomitic limestone: light gray, appears sandy, some chalky white material, no shows

Cherty dolomitic limestone as above, no shows

No significant change

Simpson 4764' (-2773)

Few pieces pale-green shale

Flood Simpson type shale

Simpson type shale

Simpson type shale

Simpson type shale with minor cluster sandstone, dirty, no shows

