

OPERATOR

Company: Dixon Operating Company, LLC
 Address: 8100 E 22nd St N
 #300
 Wichita, KS 67226

Contact Geologist:
 Contact Phone Nbr:
 Well Name: #2-3 DSA
 Location: Section 3-23S-12W
 API: 15-185-24059
 Pool:
 State: Kansas

Field: Mike's Meteor
 Country: USA

Scale 1:240 Imperial

Well Name: #2-3 DSA
 Surface Location: Section 3-23S-12W
 Bottom Location:
 API: 15-185-24059
 License Number:
 Spud Date: 10/11/2019
 Region: Stafford County
 Drilling Completed: 10/18/2019
 Surface Coordinates: 2210' FSL & 2970' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1834.00ft
 K.B. Elevation: 1845.00ft
 Logged Interval: 2800.00ft
 Total Depth: 3850.00ft
 Formation:
 Drilling Fluid Type: Chemical (MudCo)

Time: 2:00 PM
 Time: 3:00 PM
 To: 3850.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude:
 Latitude:
 N/S Co-ord: 2210' FSL
 E/W Co-ord: 2970' FEL

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:	Murfin Drilling		
Rig #:	20		
Rig Type:	mud rotary		
Spud Date:	10/11/2019	Time:	2:00 PM
TD Date:	10/18/2019	Time:	3:00 PM
Rig Release:	10/19/2019	Time:	3:00 PM

ELEVATIONS

K.B. Elevation:	1845.00ft	Ground Elevation:	1834.00ft
K.B. to Ground:	11.00ft		

NOTES

Surface Casing: 8-5/8" @ 306'
 Production Casing: None

Daily Penetration:

10/11/19	Spud @ 2:00 PM
10/12/19	306'
10/13/19	1605'
10/14/19	2300'
10/15/19	2800'
10/16/19	3355'
10/17/19	3650'
10/18/19	3725' Drilling completed @ 3:00 PM
10/19/19	3850' Rig released @ 3:00 PM

DRILL STEM TESTS

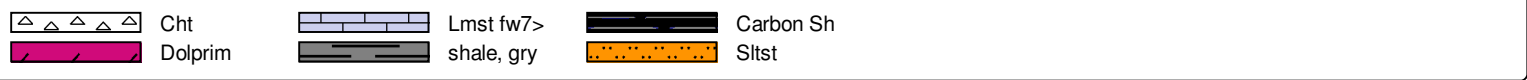
DST #1 3550' to 3650' Viola. Weak 1inch blow during the initial flow period. No blow during the second flow period. Recovered: 30' OSM (1% oil, 99% mud).
 IFP: 30" 20-26 psi, ISIP: 60" 284 psi, FFP: 30" 29-45 psi, FSIP: 60" 129 psi

FORMATION TOPS

Formation	Sample Top	Datum	Log Top	Datum	Comparison*
Heebner	3153'	-1308	3154'	-1309	+8
Brown Lime	3290'	-1445	3290'	-1445	+12
Lansing	3316'	-1471	3316'	-1471	+14
Stark	3510'	-1665	3507'	-1662	+13
Base KC	3560'	-1715	3560'	-1715	+12
Viola	3620'	-1775	3622'	-1777	-4
Simpson	3726'	-1881	3729'	-1884	+2
Arbuckle	3763'	-1918	3763'	-1918	+33

*Dixon Operating Company, #2-3 Byer, Section 3-23S-12W, Stafford County, Kansas

ROCK TYPES



OTHER SYMBOLS

INTERVALS

- Core
- DST

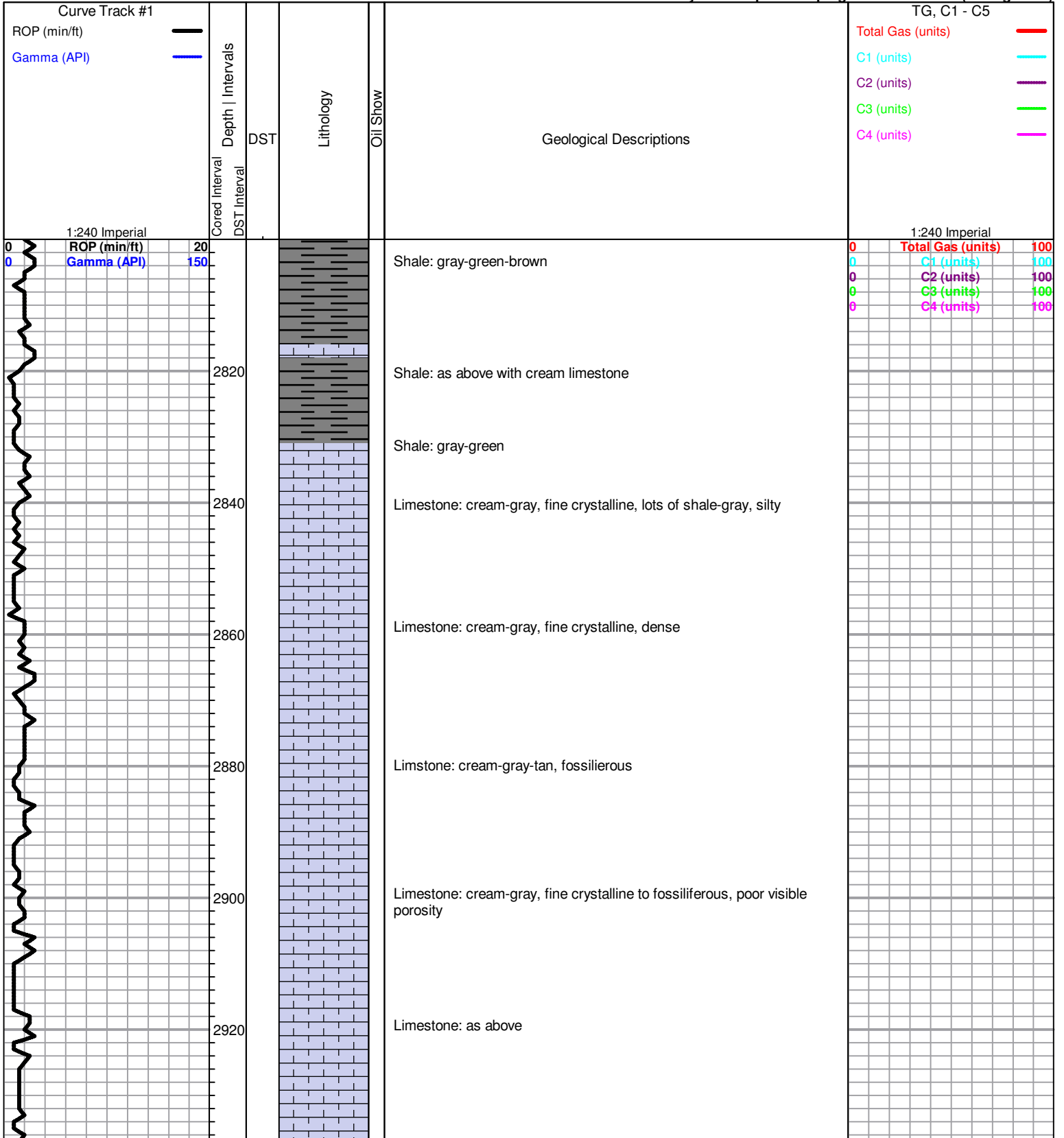
Oil Show

- 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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2940
2960
2980
3000
3020
3040
3060
3080
3100
3120
3140

Shale: dark gray

Limestone: cream-gray, dense

Limestone: tan-light brown, fine crystalline to fossiliferous

Limestone: cream-gray-tan, fine crystalline, dense

Shale: dark gray

Shale: dark gray

Limestone: white-gray, fine crystalline, poor visible porosity, sub chalky, trace gray chert

Limestone: as above

Limestone: cream-tan, fine crystalline, dense

Limestone: cream-white-tan, fine crystalline, dense

Limestone: cream-tan-brown, fine crystalline, dense

Limestone: as above

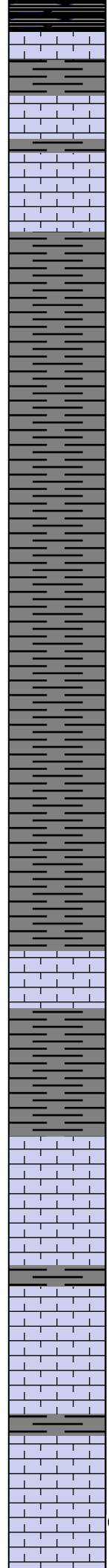
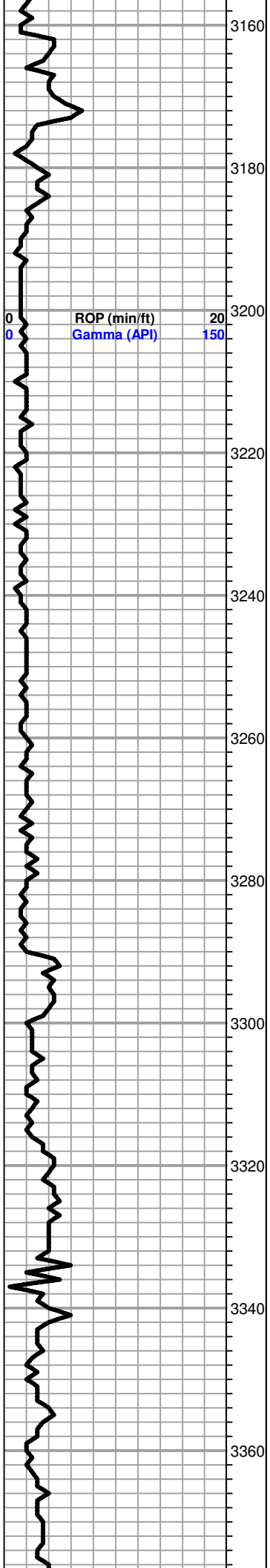
Limestone: cream-tan, fine crystalline, poor visible porosity, dense

ROP (min/ft) 20
Gamma (API) 150

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

Geologist on site @ 3106'

Heebner 3153' (-1308)



Shale: black, carbonaceous, fissile

Limestone: tan-brown, fine crystalline, dense, sub shaley

Limestone: light tan-brown-cream, fine to very fine crystalline, dense

Shale: light-medium gray

Shale: gray

Shale: gray

Shale: gray-red

Shale: gray-red-brown

Shale: gray-red-brown

Shale: gray-green-brown

Shale: gray, silty

Shale: gray, silty

Brown Lime 3290' (-1445)

Limestone: tan-brown, fine crystalline, poor visible porosity, dense

Shale: medium gray-red-brown

Shale: as above

Lansing 3316' (-1471)

Limestone: cream-gray-brown, fine to slightly medium crystalline, poor to no visible porosity, no shows

Limestone: as above

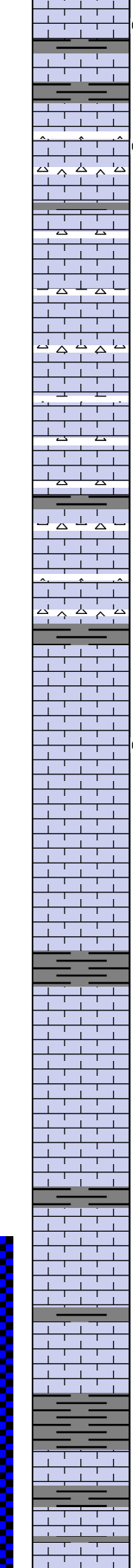
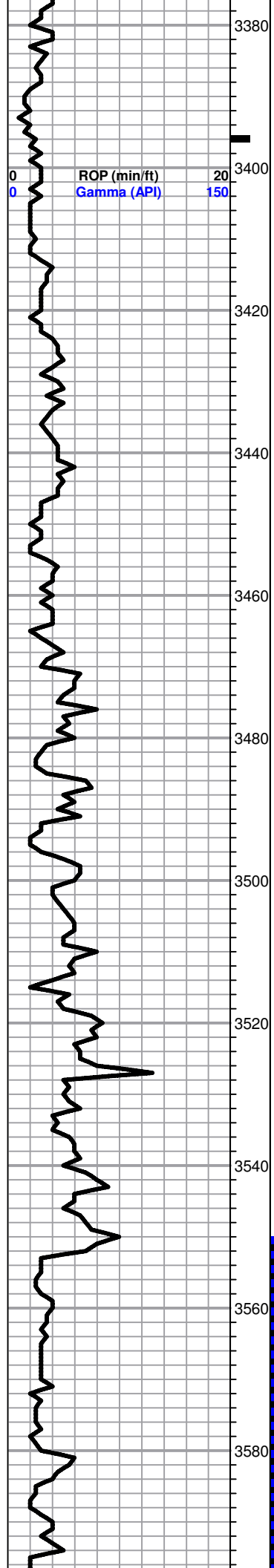
Limestone: cream-gray-light tan, fine to slightly medium crystalline, few pieces fossiliferous, poor visible porosity, no shows

Limestone: gray-cream, fine crystalline, poor visible porosity, good odor in fresh, no show free oil

Limestone: cream-white-light gray, fine crystalline, trace vugular porosity, good odor in fresh, no show free oil

Limestone: cream-white, fine crystalline, slightly fossiliferous, few pieces vugular porosity, odor in sample when broken, very slight show free oil

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



3380 Limestone: cream-white-brown, fine crystalline, few pieces vugular porosity, odor in sample when broken, very slight show free oil

Shaley limestone

3400 Circulated at 3396' Limestone: cream-gray-light tan, fine crystalline to fossiliferous, some visible porosity, fair odor in fresh, very slight show free oil, trace gray chert

Limestone: cream-white, fine crystalline, poor visible porosity, sub chalky, some chert, vitreous, white, no shows

3420 Limestone: as above

Limestone: cream-white, fine crystalline, poor to no visible porosity, dense, some white-gray chert, no shows

3440 Limestone: cream-tan, fine crystalline, dense

Limestone: cream-light tan-gray, fine crystalline, poor to no visible porosity, rare oolimidic piece, poorly developed, no shows

3460 Limestone: as above, trace gray, chert

Limestone: cream-white, fine to very fine crystalline, dense

3480 Limestone: cream-white, fine crystalline, scattered oolitic piece, few pieces poor to fair porosity, fair odor in fresh, slight show free oil, gassy

Limestone: cream-white-light gray, fine crystalline, questionable odor, no show free oil

3500 Limestone: cream-white-light tan, dense

Stark 3510' (-1665)

Shale: gray-green

3520 Limestone: cream-light tan-brown, fine to very fine crsyalline, dense

Limestone: as above

3540 Limestone: cream-tan, fine crystalline, dense

Limestone: cream, fine crystalline, rare visible porosity, slight odor in fresh, no show free oil

B/KC 3560' (-1715)

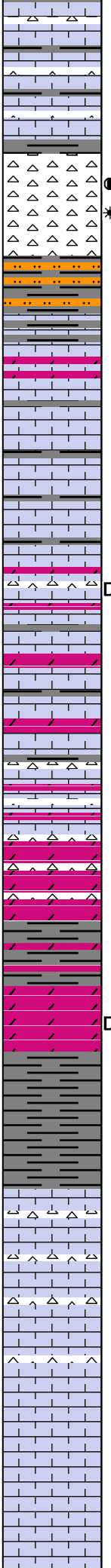
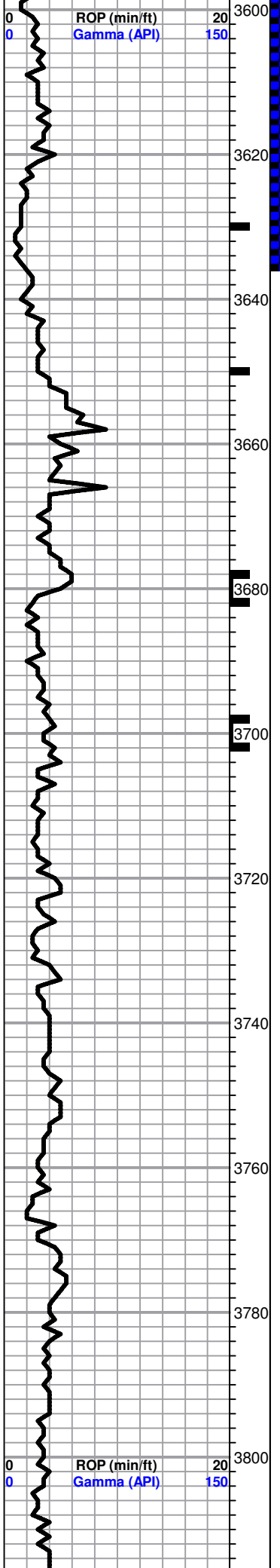
Shale: gray

Limestone: cream-light tan, fine crystalline, sub shaley

3580 Shale: gray-green-red-brown

Limestone: cream, dense with abundant vari-colored shales, samples wash slight red

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



Shaley limestone: as above, few pieces vitreous chert

Shaley limestone: lots of vari-colored shales with orange-yellow-cream vitreous chert, samples wash slightly red

Viola 3620' (-1775)

Circulated at 3630' Chert: cream-white-off white, 90% vitreous, sharp and blocky, 10% weathered with vugular porosity, cottony, good odor with black show free oil and gas bubble

Samples carry lots of red shale/siltstone

Circulated at 3650' Limestone: cream, fine crystalline, with lots of red shale, samples wash red

Limestone: cream-tan, fine crystalline, samples carry rust red, gray-green-brown shale

Shaley limestone as above

Circulated at 3680' Chert: mostly white, granular dolomite, 10% weathered with vugular porosity, samples still carry lots of shale (cave?) spotted black stain, no show free oil

Shaley limestone: few pieces granular, light tan dolomite

Circulated at 3700' some vari-colored cherts with some cream dolomitic limestone, fine crystalline, dense, no shows

Dolomitic limestone: cream, fine crystalline, sub sucrosic, sub cherty, no shows

Dolomite: cream, fine crystalline, cherty

Simpson 3726' (-1881)

Shale: vari-colored, few pieces turquoise blue

Dolomite: light-tan-gray, fine crystalline, sub sucrosic, vugular porosity, spotted brown stain, no show free oil

Shales: gray, some pieces blue, silty to sandy

Sample as above

Arbuckle 3763' (-1918)

Dolomite: cream-white, fine to medium crystalline, poor inter-crystalline porosity, barren, sub cherty

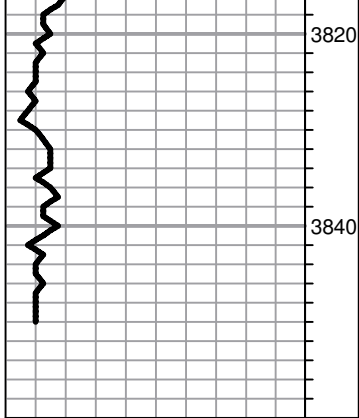
Dolomite: cream-light tan, fine to slightly more medium crystalline, poor visible porosity, sub cherty, barren

Dolomite: cream-light tan-white, fine to medium crystalline, few pieces coarse crystalline, barren

Dolomite: cream-white, medium crystalline, poor visible porosity, barren

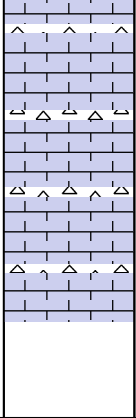
0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



3820

3840



Dolomite: white, coarse crystalline, poor to fair visible porosity, barren

Dolomite: white, coarse crystalline, poor to fair visible porosity, barren,
some white vitreous chert