

LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial

Well Name: #1-27 Albert-Quimby Unit
Location: C SE SW Sec. 27-T21S-R16W, Pawnee County, KS.
Licence Number: 15-145-21622-0000 Region: Larned
Spud Date: 12/21/10 Drilling Completed: 12/31/10
Surface Coordinates: 660' FSL & 3300' FEL, Sec. 27-T21S-R16W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 1987' K.B. Elevation (ft): 1999'
Logged Interval (ft): 1850' To: 3858' Total Depth (ft): 3858'
Formation: Arbuckle at TD.
Type of Drilling Fluid: Freshwater/Gel to 2805'; Chemical Gel 2805' to TD.

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OPERATOR

Company: Strata Exploration, Inc.
Address: P.O. Box 401
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GEOLOGIST

Name: Jon D. Christensen
Company: Consulting Petroleum Geologist
Address: 9002 W. Silver Hollow St.
Wichita, KS. 67205-8856

Cores

None Taken

DSTs

DST #1(Lansing 'A' + 'B') 3502' - 3540'(Corrected depths to LOG) Times 15"-45"-30"-60" IFP Weak Surface Blow built to 1"; FFP Weak Blow building to 3/4", no Blowback on SI's; REC: Trc. GIP, 40' Mud w/oil specks(thin layer of F.O. in top of test tool), no water; IFP 31-38#, ISIP 661#, FFP 46-51#, FSIP 819#, IHP 1717#, FHP 1710#, BHT 102 Deg. F.

DST #2(Arbuckle) 3763' - 3857'(Corrected depths to LOG) Times 15"-45"-15"-45" IFP Strong Blow BOB/ 30 Sec., FFP Strong Blow BOB/33 Sec., Weak 1/2" Blowback on FSI; REC: 2640' Total Fluid - 160' OCWM(4%O, 21%W, 75%M), 320' OCWM(18%O, 25%W, 57%M), 320' OCMW(18%O, 42%W, 40%M), 1590' OCMW(11%O, 83%W, 6%M), 250' SOCW(2%O, 98%W), CI 40,500, Mud 6800; IFP 780-982#, ISIP 1210#, FFP 1066-1196#, FSIP 1210#, IHP 1833#, FHP 1801#, BHT 116 Deg. F.

Comments

12/21/2010 MIRU Sterling Drilling Rig #2, Spud at 1:45 PM.; 12/22/2010 TD. 996' - TOH to run 8 5/8" Surface Casing; 12/23/2010 through 12/26/2010 TD. 996' - Shut Down for Christmas Holiday; 12/27/2010 TD. 996' - Resume drilling operations; 12/28/2010 Drilling at 2006'; 12/29/2010 Drilling at 2837'; 12/30/2010 Drilling at 3411'; 12/31/2010 Drilling at 3550'; 1/1/2011 TD. 3858' - Trip out of hole for DST #2(Arbuckle); LTD. 3853'(Log Tech); 1/2/2011 RTD. 3858' - Running 5 1/2" Production Casing.

Set 8 5/8"(23#) Surface Casing at 991' w/370 sx. cement(Basic Energy Services). Cement did Circulate. PD. at 10:45 AM. 12/22/2010.

Set New 5 1/2"(15.5#) Production Casing at 3849' KB.(by casing tally). Cement w/200 sx.(Basic Energy Services). PD. at 4:00 PM. 1/2/2011.

Surveys: 0.5 Deg. at 996'(Surface Casing); 0.5 Deg. at 3542'(DST #1); 0.75 Deg. at 3858'(DST #2 and TD.)

Pipe Strap at 3542'(DST #1): Strap 0.79' Short to the Board, no correction made to the Board.

After review of the Log Tech openhole logs, DST data, structural position and positive shows of commercial amounts of hydrocarbons, the operator elected to set new 5 1/2" (15.5#) Production casing for completion in the Arbuckle.

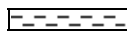



LOG TOPS: Krider 1968(+31), Winfield 2001(-2), Topeka 3028(-1029), Queen Hill Shale 3280(-1281), Heebner Shale 3390(-1391), Toronto 3406(-1407), Douglas Shale 3426(-1427), Brown Lmst. 3489(-1490), Lansing 'A' 3499(-1500), Lansing 'B' 3528(-1529), L/KC 'H' 3622(-1623), Base Kansas City 3710(-1711), Marmaton 3724(-1725), Conglomerate 3754(-1755), Simpson Shale 3800(-1801), Simpson Sand 3838(-1839), Arbuckle 3853(-1854).





NOTE: The top of the Arbuckle was not logged by Log Tech due to fill at the bottom of the hole.

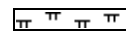
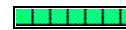
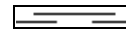

NOTE: Prior to abandonment of the #1-27 Albert Quimby Unit well, the Lansing 'A' and 'B' zones should be perforated, acidized and tested. Log Depths for the Lansing 'A' are from 3504' - 3508', and 3513' - 3515'. Log Depths for the Lansing 'B' are from 3534' - 3537'.





ROCK TYPES

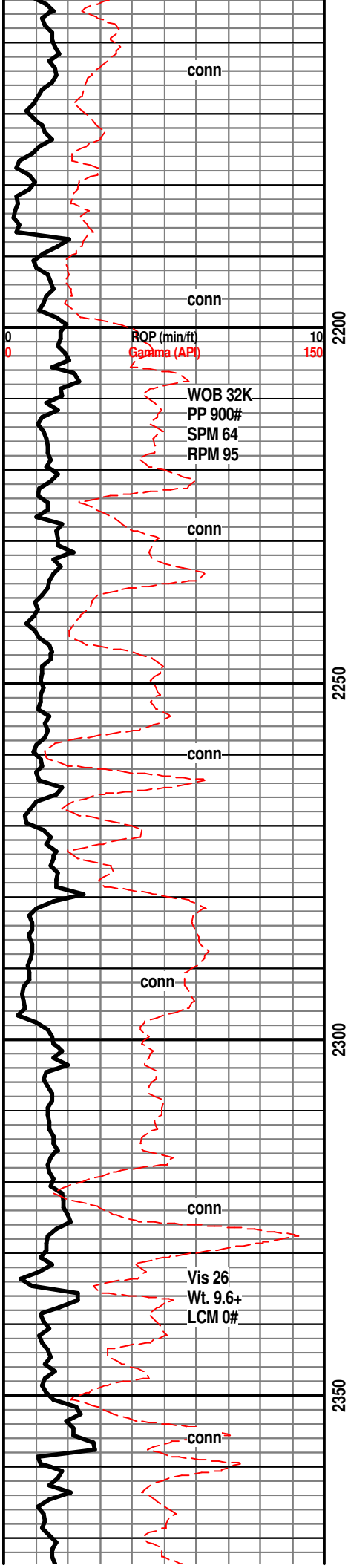
	Anhy
	Bent
	Brec
	Cht

	Clyst
	Coal
	Congl
	Dol

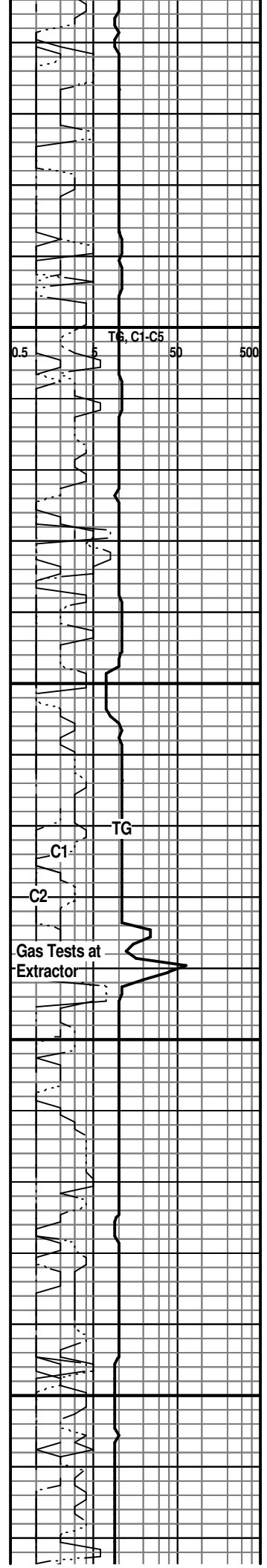
	Gyp
	Igne
	Lmst
	Meta

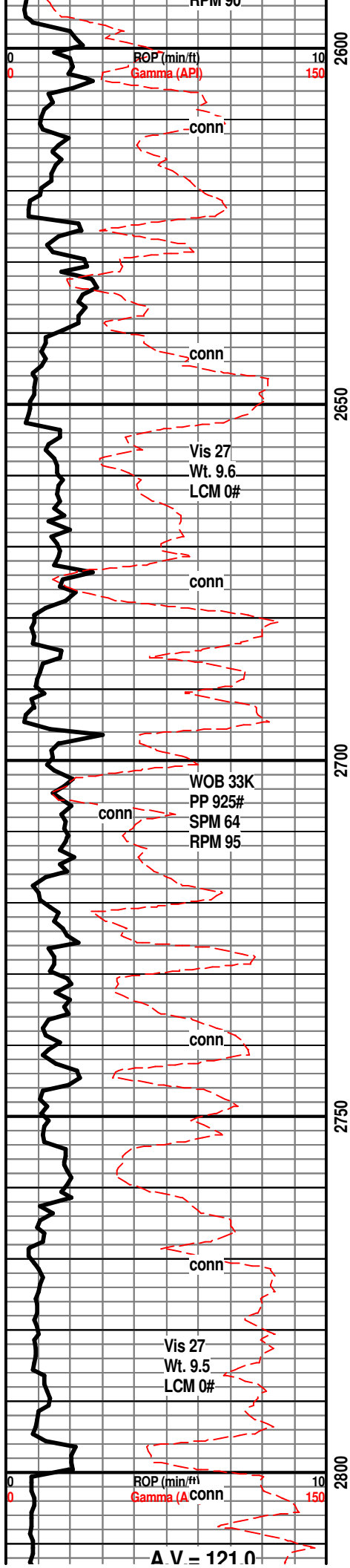
	Mrlst
	Salt
	Shale
	Shcol

	Shgy
	Sltst
	Ss
	Till



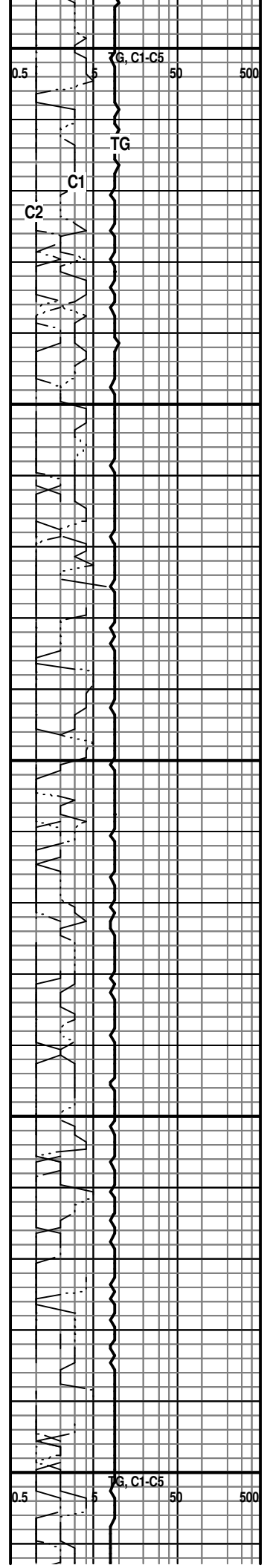
COUNCIL GROVE 2280(-281)

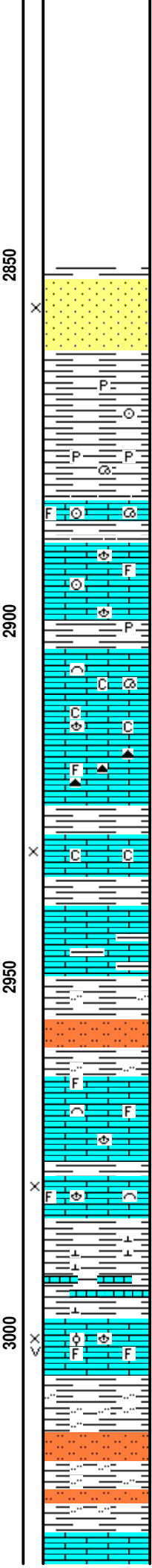
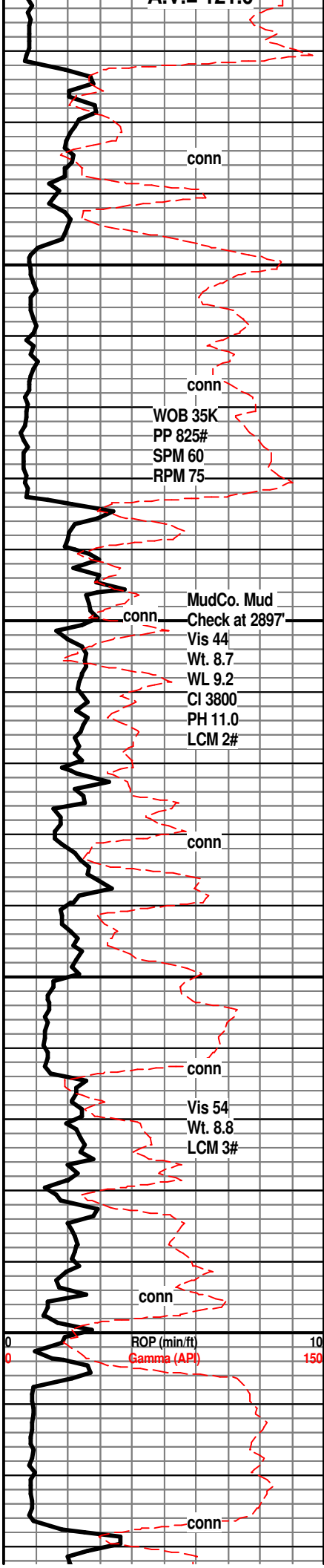




Δ V = 121.0

DISPLACE MUD SYSTEM FROM 2805' to 2837'





STOTLER LMST. 2822(-823)

Start 10' Samples at 2850'

SS; clr, lt gy, most med gr qtz, mica ip, fairly clean, fri, gd intergran por, no stn or odor, no gas kick, ns.

SH; med gy, firm, foss ip, scat foss mat, rarely pyr

TARKIO LMST. 2883(-884)

LM; med brn, dense, foss ip, tite

LM; tan to lt brn, buff, foss ip, most well cem, dull yel min fluor, no stn or odor, ns.

SH; dk gy, fiss, pyr ip.

LM; tan to buff, lt brn, fxln, poor to no vis interxln por, occ soft chalky mtx, dull yel min fluor only, scat foss mat, no stn or odor, ns.

LM; med brn, gy brn, fxln to dense, scat dk gy foss cht, hd, no vis por, no fluor, ns.

LM; tan to lt gy brn, fxln to sucrosic, fair interxln por, soft chalky mtx ip, med yel min fluor only, no stn or odor, ns.

LM; med gy brn, argil ip, hd, blocky

SH; lt to med gy, rare grn, firm, platy, interbdd silty shale and sltst

LM; lt to med brn, med xln, scat cse spar calc xtals, occ foss, most well cem, dull yel min fluor only, no stn or odor, ns.

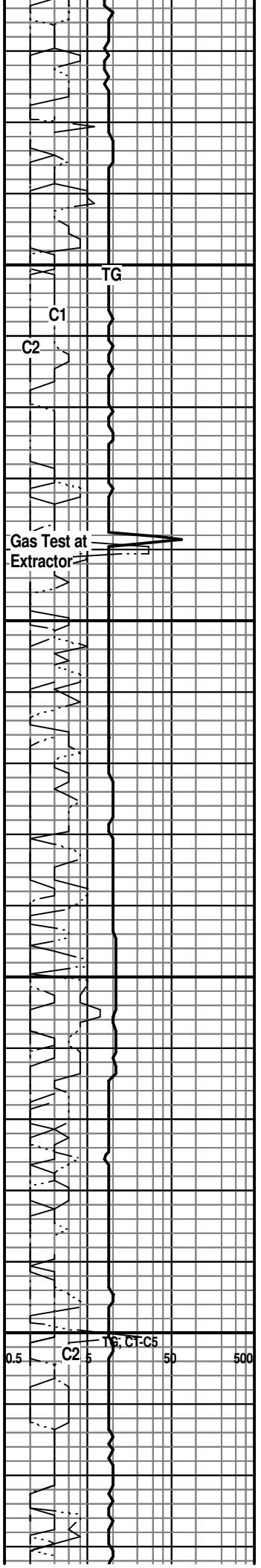
LM; tan to off wh, fxln, foss ip, fair interxln por, lt yel min fluor, no stn or odor, no gas kick, ns.

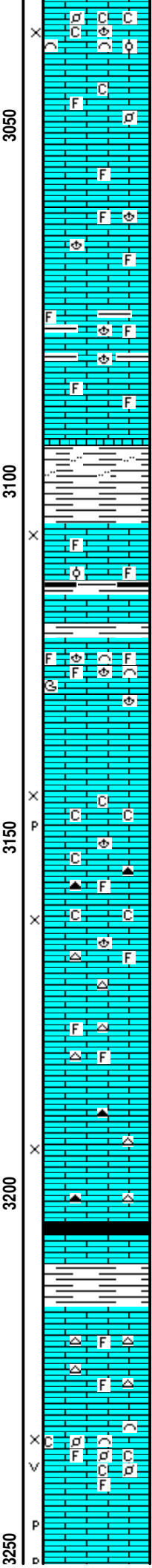
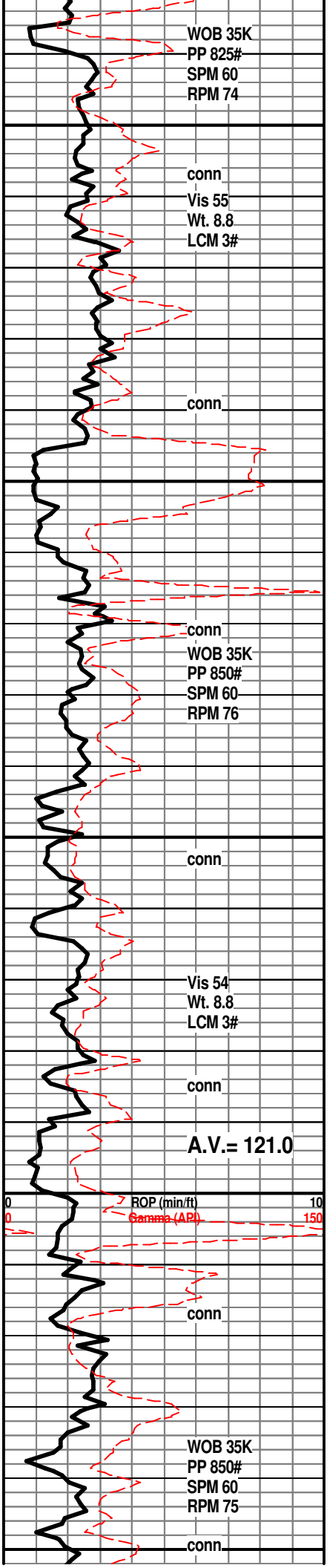
SH; med gy, calc, interbdd lmst strngs. and shaly lmst

LM; tan to cream, lt brn, foss, fair interpart w/some vug por, lt to med yel min fluor, no stn of odor, no gas kick, ns.

SH; lt to med gy, fiss, sticky ip, occ silty w/interbdd mica sltst.

TOPEKA 3028(-1029)





LM; tan to off wh, fxlN, fair interxln por, partly chalky mtx, soft, med yel min fluor, interbdd csely foss med brn lmst, no stn or odor, ns.

LM; tan to lt brn, lt gy, med xln w/scat foss mat, poor to no vis interxln por, scat cse spar calc xtals, no stn or odor, dull yel min fluor only, ns.

LM; med gy to med gy brn, hd, shaly ip, occ well cem foss mat, no vis por, ns.

SH; med gy, soft-sticky ip, occ silty

LM; off wh, tan, fxlN to sucrosic text, fair interxln por, dull yel min fluor only, no stn, ns.

LM; lt to med brn, cse foss frags, most well cem, scat med yel min fluor only, no vis por, no stn or odor, ns.

LM; off wh, tan to cream, fxlN, scat soft chalky mtx, fair interxln w/scat p-p por, lt yel min fluor only, no stn or odor, no gas kick, ns.

LM; tan to off wh, soft, f to med xln, scat foss mat, occ gy foss cht, fair interxln/interpart por, lt yel min fluor only, no stn or odor, ns.

LM; med brn, mottled text, med xln, fair interxln por, cherty ip, no fluor, no stn or odor, ns.

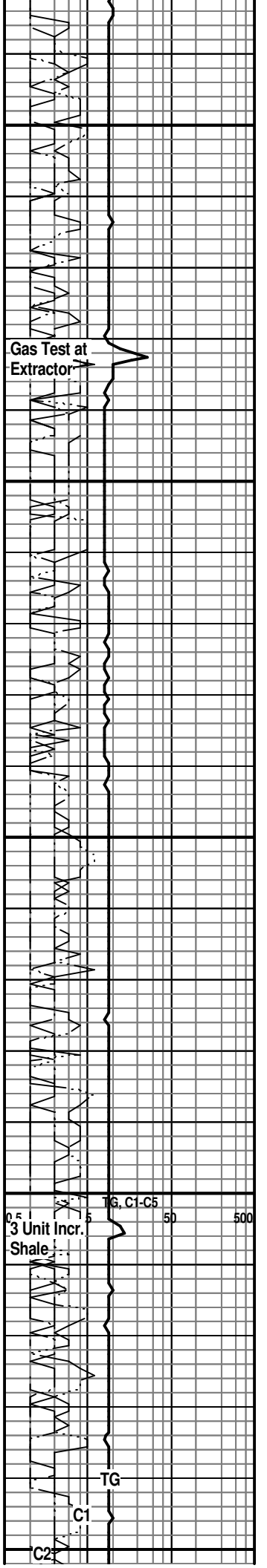
SH; blk, dk gy, platy, carb ip.

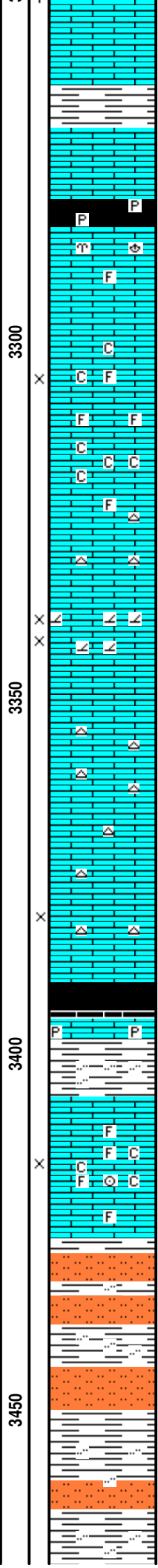
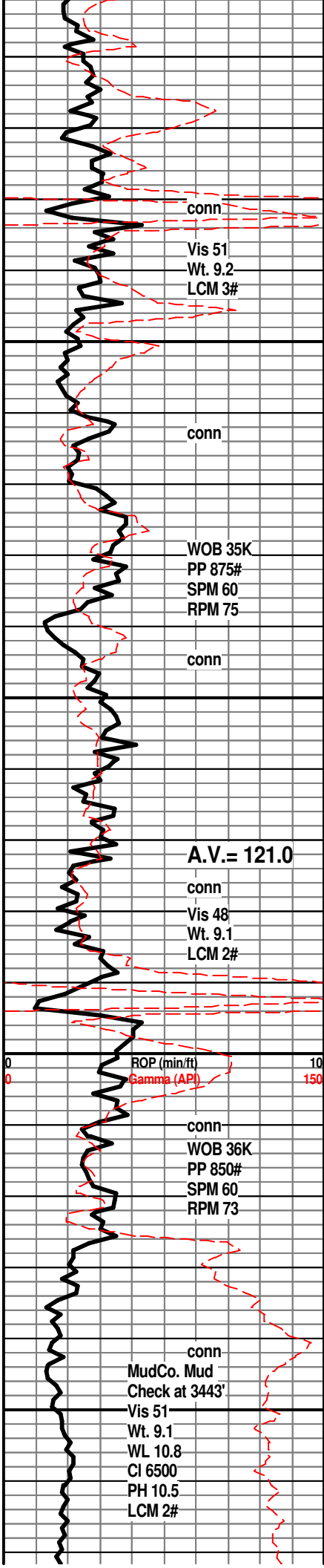
SH; med to dk gy, fiss

LM; lt brn, hd, blocky, most micritic, scat gy foss cht, tite

LM; tan to buff, cream, v. foss w/much foss hash, gd interpart and vug por, occ soft chalky mtx, med yel flour, no stn or odor, no gas kick, ns.

LM; tan to cream, fxlN w/gd p-p por dev, lt yel fluor, soft





ip, no stn or odor, no gas kick, ns.

SH; med to dk gy, fiss

LM: tan to lt brn, buff, fxln to micritic, most well cem, hd, no vis por, ns.

QUEEN HILL SHALE 3280(-1281)

SH; blk, carb ip, platy, occ pyr

LM: tan to off wh, fxln w/ occ foss mat, well cem, dull yel min fluor only, no stn or odor, ns.

LM; off wh, tan, med xln, scat cse spar calc xtals, fair interxln por, minor chalky mtx, lt yel min fluor only, ns.

LM; tan to lt brn, fxln, gd interxln por, some sucrosic text, partly dolomitic, no fluor, no stn or odor, ns.

LM; lt brn, tan, off wh, most dense, micritic, blocky, scat gy to tan occ foss cht, no vis por, ns.

LM; lt brn, fxln, fair interxln por, soft ip, dull yel to no fluor, occ cherty, no stn or odor, ns.

HEEBNER SHALE 3390(-1391)

SH; blk, carb ip, trc gas bubbles, platy

LM; med brn, hd, pyr ip, tite

SH; gy grn, grn, fiss, occ silty

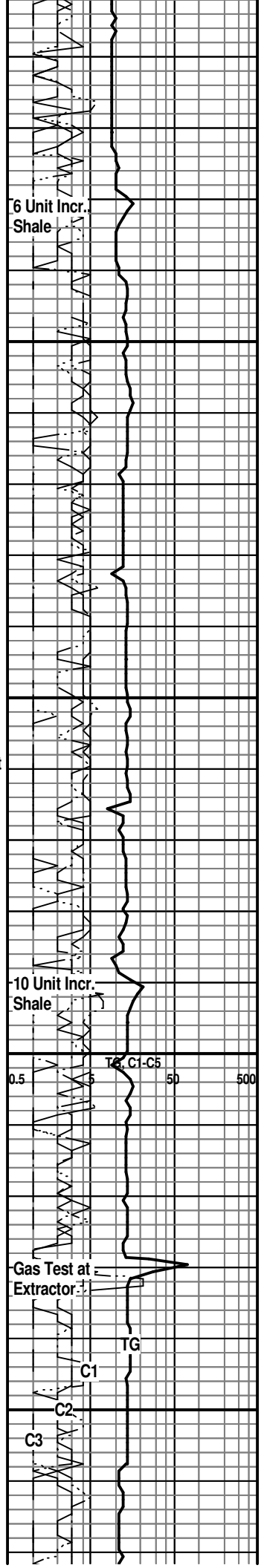
TORONTO 3406(-1407)

LM; off wh, tan to buff, fxln, scat foss mat, interbdd soft chalky lmst, fair interpart por, dull yel min fluor only, no stn, ns.

DOUGLAS SHALE 3426(-1427)

SH; red/brn, rust red, med gy, silty, interbdd lt gy mica sltst.

SH; lt gy to gy grn, fiss, silty w/sltst, platy



conn
WOB 35K
PP 850#
SPM 60
RPM 75

conn

CFS. at 3515'
DST #1
Lans A + B
3502' - 3540'
Corrected
Depths

CFS. at 3540'

Vis 50
Wt. 9.1
LCM 2#

conn

WOB 37K
PP 850#
SPM 60
RPM 76

ROP (min/Conn) 10
Gamma (API) 150

MudCo. Mud
Check at 3621'
Vis 49
Wt. 9.1
conn
WL 9.6
CI 8800
PH 8.5
LCM 1#

conn
WOB 37K
PP 850#
SPM 60
RPM 77

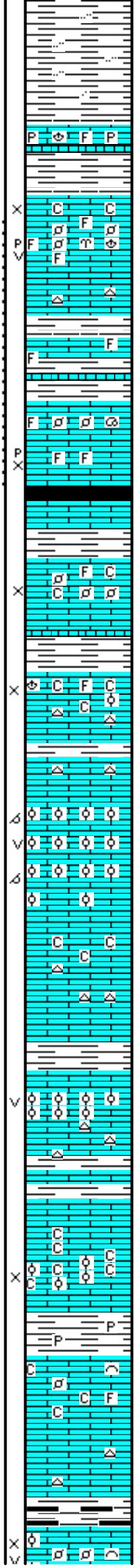
Vis 50
Wt 9.2

3500

3550

3600

3650



SH; lt gy, fiss, silty ip

BROWN LMST. 3489(-1490)
LM; med brn, hd, foss ip, dense, occ pyr

LANSING 'A' 3499(-1500)
LM; off wh, tan, chalky at top w/spotted med brn stn, w/foss lmst- fair p-p por, occ small moldic/vug por, spotted lt to med brn oil stn, some bleeding oil, med yel fluor, faint/fair odor, fair/gd cut, few pcs. w/even lt brn oil stn, cherty at base

SH; grn, gy grn, foss ip, interbdd hd foss lmst strngs.

LANSING 'B' 3528(-1529)
LM; tan to cream, foss to med xln, fair to gd interxln por, some p-p por, gd odor, SSFO, med yel fluor, most w/even lt brn stn, fair to gd cut

DST #1: Lans. 'A' + 'B' 3502' - 3540' Corrected Depths to LOG
LM; tan to off wh, foss - finely pelletal, fair interpart por, occ chalky mtx, trc dk brn/blk residual - dead oil stn, dull yel fluor, no live shows, most barren porosity

SH; med gy to dk gy grn, platy
LM; off wh, tan, wh, fxln, foss ip, much soft chalky mtx, lt yel min fluor, fair interxln por, no stn or odor, occ gy to trans. cht, ns.

LANSING 'G' POROSITY 3584(-1585)
LM; tan to lt gy, oolitic, most well dev. small to med size moldic por, occ vug por, brittle ip, some rextalized, scat soft chalky mtx, lt yel min fluor, no stn or odor, barren, ns.

LM; tan to cream, off wh, fxln, interbdd soft chalky mtx, dull yel min fluor, no stn or odor, occ dove gy cht, ns.

SH; grn, gy grn, fiss
K.C. 'H' 3622(-1623)
LM; tan to off wh, oolitic - oolitic, small ooids, most well cem, some oolitic cht, fair small vug por, dull yel min fluor, no stn or odor, ns.

SH; med gy, smooth, blocky
LM; med to dk brn, hd, micritic

LM; off wh, wh, tan, foss ip w/occ oolitic lmst, poor interpart por, most very chalky - soft, dull yel min fluor only, no stn or odor, ns.

SH; med to dk gy, gyn, firm, occ pyr

LM; tan to off wh, wh, fxln to micritic, most blocky, scat foss mat at top, some chalky soft mtx, no stn or odor, lt yel min fluor only, ns.

LM; tan to off wh, lt gy, hd, dense, blocky, occ lt gy to tan cht, ns.

SH; dk gy, rare blk, fiss

LM; tan to buff, cream, off wh, foss ip, occ finely

3 Unit Incr. SHOW

5 Unit Incr. SHOW

Extractor motor out from 3542' - 3549'

TG

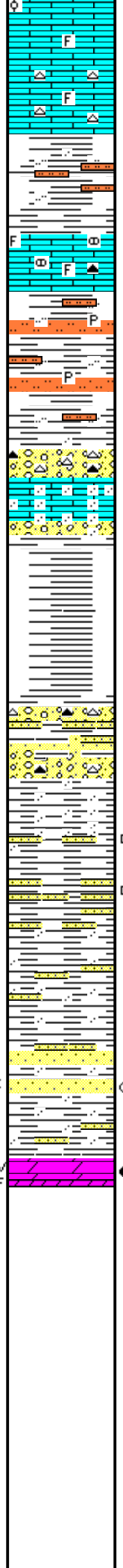
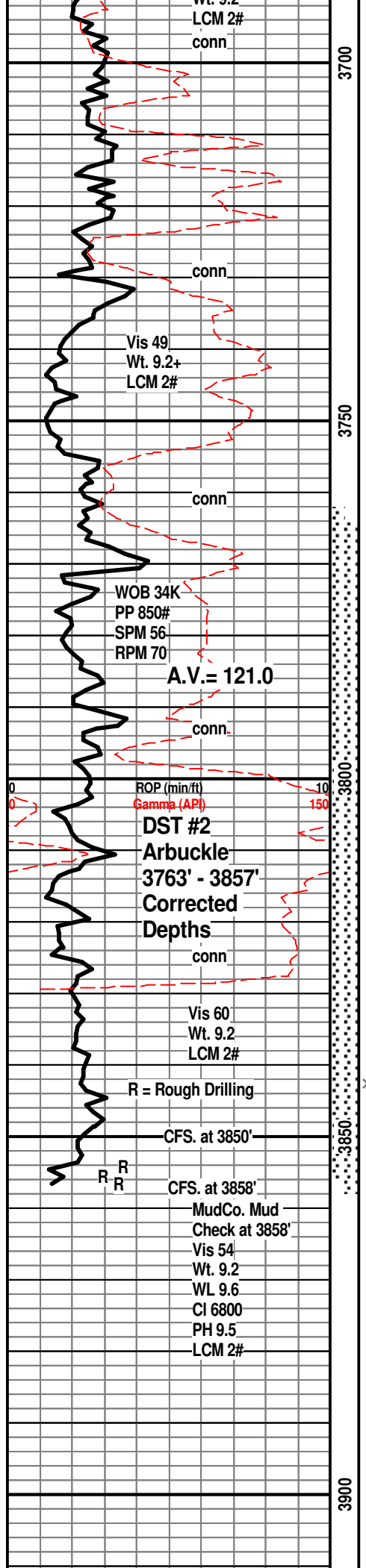
C1

C2

C3

0.5 5 50 500

Gas Test at Extractor



pelletal, poor interpart por, trc vug por, lt to med yel min fluor, no stn or odor, no gas kick, ns.

LM; tan to lt gy, off wh, cherty ip, most dense, blocky, rare foss mat, no stn or odor, dull yel min fluor only, ns.

BASE KANSAS CITY 3710(-1711)

SH; varic - rust red, grn, gy, fiss, occ silty

MARMATON 3724(-1723)

LM; tan to off wh, buff, med xln, interbdd lt gy weathered nodular lmst, hd, blocky, rare dk brn foss cht, no fluor, no stn or odor, ns.

SH; varic, most grn, dk gy, maroon, rust red, silty w/interbdd sltst, soft to flakey, occ pyr

CONGLOMERATE 3754(-1755)

CONGL& LMST; weath red lmst, red/org chts, most lmst w/gritty-sandy text, no vis por, no fluor, no stn or odor, ns.

SH; varic, maroon, grn, gy, yel, fiss to flakey, splintery ip, some pasty-mushy-gumbo

CONGL; red shaly lmst, varic sandy shales, scat varic chert

SIMPSON SHALE 3800(-1801)

SH; brite grn, sea grn, some turquoise, sandy, interbdd sandy shale, some ss clusters w/blk tar & dead oil flakes

SH; brite grn, turquoise, sandy w/interbdd hd qtzitic ss strngs w/occ blk tar/dead oil, much shaly ss also, no live show, no odor, no gas kick

SH; grn, gy grn, blk, sandy, abnt hd shaly ss strngs, all well cem, dull yel fluor, no live shows

SIMPSON SAND 3838(-1839)

SS; clr, f to med gr, rnd qtz, loose gr & clusters, fair intergran por, faint/fair odor, lt yel fluor, spotted residual stn, no F.O., no gas kick, much sticky grn pasty shale and sandy sh.

ARBUCKLE 3853(-1854)

DOL; tan to buff, sucrosic to med rhombic, gd interxln & vug por, trc Fracs, strong odor, GSFO, exc. cut, brite yel fluor, most oil saturated

DST #2: Arbuckle 3763' - 3857'(Corrected Depths to LOG)

RTD. 3858' at 10:15 PM. 12/31/10

LTD. 3853'

Log Tech DIL, Dual Porosity, Microlog

