CORAL COAST

Scale 1:240 Imperial

Well Name:	Loesch #2		
Surface Location:	Sec. 24 - T32S - R21W		
Bottom Location:			
API:	15-025-21582-0000		
License Number:	31691		
Spud Date:	3/3/2015	Time:	8:00 AM
Region:	Clark County, KS		
Drilling Completed:	3/18/2015	Time:	11:30 AM
Surface Coordinates:	665' FNL & 1455' FEL		
Bottom Hole Coordinates:			
Ground Elevation:	1977.00ft		
K.B. Elevation:	1987.00ft		
Logged Interval:	4200.00ft	To:	6437.00ft
Total Depth:	6437.00ft		
Formation:	Viola		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	Coral Coast Petroleum, L.C.		
Address:	8100 E 22nd St. N Building 600, Suite R Wichita, KS 67226		
Contact Geologist:	Daniel M. Reynolds		
Contact Phone Nbr:	316.269.1233		
Well Name:	Loesch #2		
Location:	Sec. 24 - T32S - R21W	API:	15-025-21582-0000
Pool:		Field:	Wildcat
State:	Kansas	Country:	USA

LOGGED BY

VALHALLA EXPLORATION

Company:	Valhalla Exploration, LLC		
Address:	8100 E. 22nd St. North Building 1800-2 Wichita, KS 67226		
Phone Nbr:	316.210.1295		
Logged By:	Geologist	Name:	Adam G. Nighswonger

REMARKS

After review of the geologic log, sample descriptions, and DST results, the decision was made by operator to run 5 1/2" production casing for further evaluation of the Viola and Morrow Sandstone sections of the Loesch #2.

The well samples were saved, submitted, and will be available for review at the Kansas Geologic Survey's Well Sample Library located in Wichita, KS.

Respectfully Submitted,

Adam G. Nighswonger

GENERAL INFORMATION

Service Companies

Drilling Contractor: Maverick Drilling, Rig #106
Tool Pusher: Cecil Farmer
Daylight Driller: Craig Kalenbach
Evening Driller: Sam Staggs Jr.
Morning Driller: Stephen Armor
Relief Driller Bobby Greeno

Gas Detector: Bluestem Environmental
Engineer: Skip Hudson
Unit: 5258
Operational By: 3400'

Drilling Fluid: Mud-Co/Service Mud
Engineer: Brad Bortz

Logging Company: No logs ran
Engineer:
Logs Ran:

Testing Company: Eagle Testers
Tester: Gene Budig

Deviation Survey	
Depth	Survey
627'	3/4°
4954'	1°
5235'	1 3/4°
6000'	1°

Pipe Strap	
Depth	Pipe Strap
4954'	1.37 long to board

Bit Record

Bit #	Size	Make	Type	Serial Number	Depth In	Depth Out	Feet	Hours
1	12 1/4"	JZ	RT	RR	100'	627'	527	9 3/4
2	7 7/8"	Halliburton	MM65	12364305	627'	4954'	4327	81 1/4
3	7 7/8"	JZ	QX20	C74735	4954'	5235'	281	21 1/2
4	7 7/8"	Halliburton	MM65	12274621	5235'	6000'	765	37 1/4
5	7 7/8"	JZ	HF41	K08553	6000'	6437'	437	36 3/4

Conductor Casing

3/2/2015	Cemented 100' of 16" conductor pipe.

Surface Casing

3/3/2015	Ran 17 joints of new 24#, 8 5/8" surface casing, Tally @ 617', Set @ 627'. Used 200 sacks of Acon Blend, 200 sacks Common, 3% cc 2% gel, 1/4# Floseal, cement did circulate, by Basic (#5333); plug down 0030 hrs 03.04.15.

Production Casing

3/19/2015	Ran 153 joints of new 15.5#, 5 1/2" production casing, Tally @ 6421', Set @ 6431'. Used 175 sacks of AA-2, cement did circulate, by Basic (#12069); plug down 1930 hrs 03.19.15.

DAILY DRILLING REPORT

Date	0700 Hrs Depth	Previous 24 Hours of Operations
3/9/2015	4544'	Drilling upper Penn. Geologist Adam Nighswonger on location 1915 hrs 03.08.15 drilling Penn. Adjusted Bloodhound depth. Drilling Heebner, Toronto, Douglas, and into LKC. Made 834' in past 24 hrs of operations. DMC: $3,483.31 CMC: $13,783.96 WOB: 18,000 RPM: 100
3/10/2015	4954'	Drilling LKC. CFS @ 4844' (SWOPE). Drilling LKC and into Marmaton. Down for pump repairs 0030 hrs 03.10.15; TOH to check stands for leak. Lost collars in hole; wait on fishing tools. Made 410' in past 24 hrs of operations. DMC: $1,537.43 CMC: $15,321.39 WOB: 18,000 RPM: 100
3/11/2015	4954'	Wait on fishing tools; fish out collars. Made 0' in past 24 hrs of operations. DMC: $1,611.99 CMC: $16,933.38
3/12/2015	5073'	Fish out collars; break down fishing tool. Change to button bit; TIH with bit and CTCH. Resume drilling 2000 hrs 03.11.15. Drilling Marmaton. Made 119' in past 24 hrs of operations. DMC: $0.00 CMC: $16,933.38 WOB: 32,000 RPM: 80
3/13/2015	5235'	Drilling Marmaton, Cherokee, and into Morrow-Atoka. CFS 5235' (MRRW SD). Decision made to test Morrow Sds. Conduct short trip for 15 stands. CTCH; drop survey and TOH for DST #1. Made 162' in past 24 hrs of operations. DMC: $2,132.19 CMC: $19,065.57

WOB: 35,000 RPM: 80

3/14/2015 5401' Conduct DST #1 (MRRW SD); test successful. Back to bottom with PDC and CTCH; resume drilling 1800 hrs 03.13.15. Drilling into Miss.
Made 166' in past 24 hrs of operations.
DMC: $1,488.37 CMC: $20,553.94
WOB: 15,000 RPM: 100

3/15/2015 5845' Drilling Mississippian.
Made 444' in past 24 hrs of operations.
DMC: $2,340.96 CMC: $22,894.90
WOB: 40,000 RPM: 80

3/16/2015 6054' Drilling Miss. Stop and CTCH @ 6000', drop survey and conduct bit trip for new button bit. CTCH and resume drilling 0145 hrs 03.16.15. Drilling Mississippian.
Made 209' in past 24 hrs of operations.
DMC: $4,424.09 CMC: $27,318.99
WOB: 40,000 RPM: 80

3/17/2015 6170' Drilling Miss. Lost circulation @ 6118' & @ 6131'. Resume drilling 0315 hrs 03.17.15. Drilling Mississippian.
Made 116' in past 24 hrs of operations.
DMC: $1,170.54 CMC: $28,489.53
WOB: 40,000 RPM: 80

3/18/2015 6382' Drilling Miss, Kinderhook, and into Viola. CFS @ 3337' (VIOL). Begin short trip; well flowed back. Decision made to drill ahead to RTD. Drilling Viola.
Made 212' in past 24 hrs of operations.
DMC: $8,990.17 CMC: $37,479.70
WOB: 42,000 RPM: 80

3/19/2015 RTD 6437' Drilling Viola. Rotary total depth 6437' reached 1130 hrs 03.18.15. Orders received to run 5 1/2" production casing. Geologist off location 1400 hrs 03.18.15.
Made 55' in past 24 hrs of operations.
DMC: $4,183.93 CMC: $46,516.98
WOB: 42,000 RPM: 80

WELL COMPARISON SHEET

	Drilling Well: Coral Coast Petroleum - Loesch #2, Sec. 24 - T32S - R21W, 665' FNL & 1455' FEL, 1987 KB				Comparison Well: Murfin Drilling Co. - Loesch #1-13, Sec. 13 - T32S - R21W, 120' W, C S/2 SW, D & A, 2005 KB				Comparison Well: Quail Oil & Gas - Lee #1-23, Sec. 23 - T32S - 21W, 951' FNL & 1797' FEL, Oil / Gas, 2031 KB				Comparison Well: Coral Coast Petroleum - Loesch #1, Sec. 23 - T32S - 21W, 1815' FSL & 1815' FEL, Gas, 1987 KB			
							Structural Relationship				Structural Relationship				Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner Shale	4252	-2265			4269	-2264	-1		4288	-2257	-8		4256	-2269	4	
Toronto Lms.	4264	-2277			4288	-2283	6		4303	-2272	-5		4267	-2280	3	
Douglas	4292	-2305			4310	-2305	0		4330	-2299	-6		4296	-2309	4	
Brown Lime	4444	-2457			4472	-2467	10		4484	-2453	-4		4450	-2463	-4	
Lansing-K.C.	4464	-2477			4493	-2488	11		4506	-2475	-2		4462	-2475	-13	
Stark Shale	4822	-2835			4848	-2843	8		4862	-2831	-4		4837	-2850	7	
Swope Lms.	4836	-2849			4875	-2870	21		4890	-2859	10		4860	-2873	3	
Base-Kansas City	4936	-2949			4960	-2955	6		4970	-2939	-10		4942	-2955	0	
Marmaton	4955	-2968			4981	-2976	8		4987	-2956	-12		4962	-2975	-1	
Pawnee Lms.	5048	-3061			5068	-3063	2		5075	-3044	-17		5049	-3062	-1	
Ft. Scott Lms.	5084	-3097			5109	-3104	7		5115	-3084	-13		5088	-3101	-3	
Cherokee	5097	-3110			5118	-3113	3		5124	-3093	-17		5098	-3111	-2	
Morrow-Atoka	5202	-3215			5223	-3218	3		5230	-3199	-16		5203	-3216	-2	
Morrowan Sds.	5207	-3220			Not Called				5239	-3208	-12		5207	-3220	0	
Mississippian	5237	-3250			5294	-3289	39		5269	-3238	-12		5234	-3247	-3	
Cowley Facies	5858	-3871			Not Penetrated				Not Called				5861	-3874	3	
Kinderhook	6246	-4259							6231	-4200	-59		6276	-4289	30	
Maquoketa	6301	-4314							6330	-4299	-15		6338	-4351	37	
Viola	6318	-4331							6352	-4321	-10		6356	-4369	38	
Simpson	Not Penetrated								Not Penetrated				6537	-4550		
Arbuckle													6642	-4655		
Total Depth	6437	-4450			5400	-3395			6490	-4459			6710	-4723		

NOTE: No electric logs were ran on the Loesch #2.

ROCK TYPES

DOL1 LMST1 LMST4 SHALE CAR SHALE RED

DOL3		LMST2		LMSTSDY		SHALE GRN	
DOL4		LMST3		Ss		SHALE GRA	

ACCESSORIES

MINERAL
- Argillaceous
- Calcareous
- Chert, dark
- Dolomitic
- Glauconite
- Heavy, dark minerals
- P Pyrite
- Sandy
- Siliceous
- Silty
- Chert White
- Euhed rhombs of dol or

FOSSIL
- F Fossils < 20%
- Oolite
- Oomoldic

STRINGER
- Limestone2
- Sandstone
- Siltstone
- Shale Carb
- Shale Green
- Shale Gray

TEXTURE
- C Chalky

OTHER SYMBOLS

MISC
- DR Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST
- DST1
- DST2
- DST3
- Core
- tail pipe

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)

Curve Track #1
ROP (min/ft)
Gamma (API)
Cal (in)
1:240 Imperial

Depth | Intervals
Cored Interval
DST Interval
DST
Lithology
Oil Show
Geological Descriptions

TG, C1 - C5
Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial

0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in)
Cn
PDC Bit
Cn
Cn

4210
4220
4230
4240
4250
4260
4270

C
F

Displace mud system @ 3640'

Geologist on location 1915 hrs 03.08.15

Start 20' wet & dry samples @ 4300'

Heebner Shale 4252' (-2265)

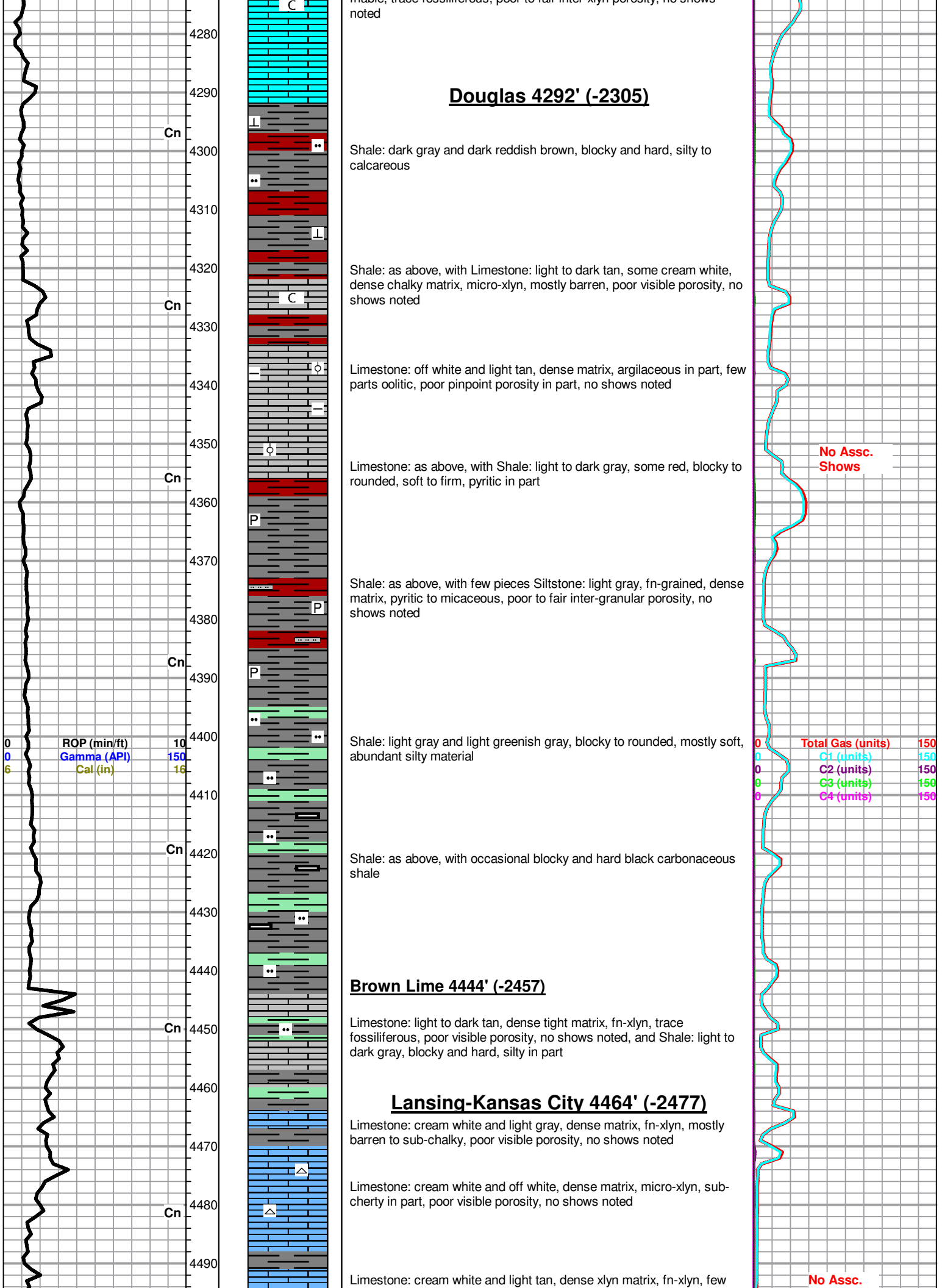
Shale: black carb, some light greenish gray, blocky and hard, sandy in part, slight show of gas, with interbedded Limestone: light tan, sub-friable chalk matrix, fn-xlyn, fossils in part, poor visible por, n/s

Toronto Limestone 4264' (-2277)

Limestone: off white and light tan, dense sub-chalky matrix, few parts friable, trace fossiliferous, poor to fair inter-xlyn porosity, no shows

0 Total Gas (units) 150
0 C1 (units) 150
0 C2 (units) 150
0 C3 (units) 150
0 C4 (units) 150

No Assc. Shows



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Douglas 4292' (-2305)

Shale: dark gray and dark reddish brown, blocky and hard, silty to calcareous

Shale: as above, with Limestone: light to dark tan, some cream white, dense chalky matrix, micro-xlyn, mostly barren, poor visible porosity, no shows noted

Limestone: off white and light tan, dense matrix, argilaceous in part, few parts oolitic, poor pinpoint porosity in part, no shows noted

Limestone: as above, with Shale: light to dark gray, some red, blocky to rounded, soft to firm, pyritic in part

Shale: as above, with few pieces Siltstone: light gray, fn-grained, dense matrix, pyritic to micaceous, poor to fair inter-granular porosity, no shows noted

Shale: light gray and light greenish gray, blocky to rounded, mostly soft, abundant silty material

Shale: as above, with occasional blocky and hard black carbonaceous shale

Brown Lime 4444' (-2457)

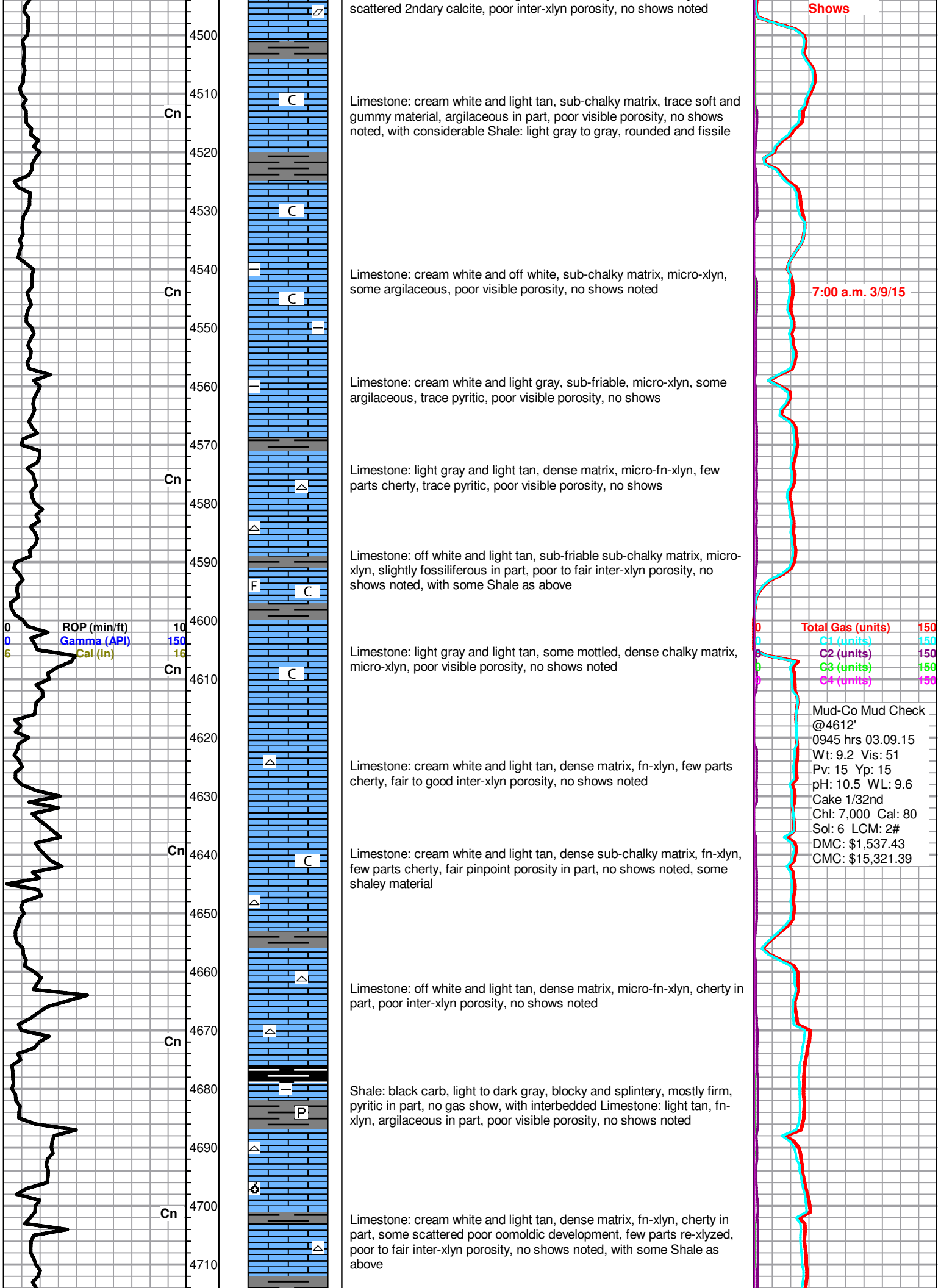
Limestone: light to dark tan, dense tight matrix, fn-xlyn, trace fossiliferous, poor visible porosity, no shows noted, and Shale: light to dark gray, blocky and hard, silty in part

Lansing-Kansas City 4464' (-2477)

Limestone: cream white and light gray, dense matrix, fn-xlyn, mostly barren to sub-chalky, poor visible porosity, no shows noted

Limestone: cream white and off white, dense matrix, micro-xlyn, sub-cherty in part, poor visible porosity, no shows noted

Limestone: cream white and light tan, dense xlyn matrix, fn-xlyn, few



scattered 2ndary calcite, poor inter-xlyn porosity, no shows noted

Limestone: cream white and light tan, sub-chalky matrix, trace soft and gummy material, argilaceous in part, poor visible porosity, no shows noted, with considerable Shale: light gray to gray, rounded and fissile

Limestone: cream white and off white, sub-chalky matrix, micro-xlyn, some argilaceous, poor visible porosity, no shows noted

Limestone: cream white and light gray, sub-friable, micro-xlyn, some argilaceous, trace pyritic, poor visible porosity, no shows

Limestone: light gray and light tan, dense matrix, micro-fn-xlyn, few parts cherty, trace pyritic, poor visible porosity, no shows

Limestone: off white and light tan, sub-friable sub-chalky matrix, micro-xlyn, slightly fossiliferous in part, poor to fair inter-xlyn porosity, no shows noted, with some Shale as above

Limestone: light gray and light tan, some mottled, dense chalky matrix, micro-xlyn, poor visible porosity, no shows noted

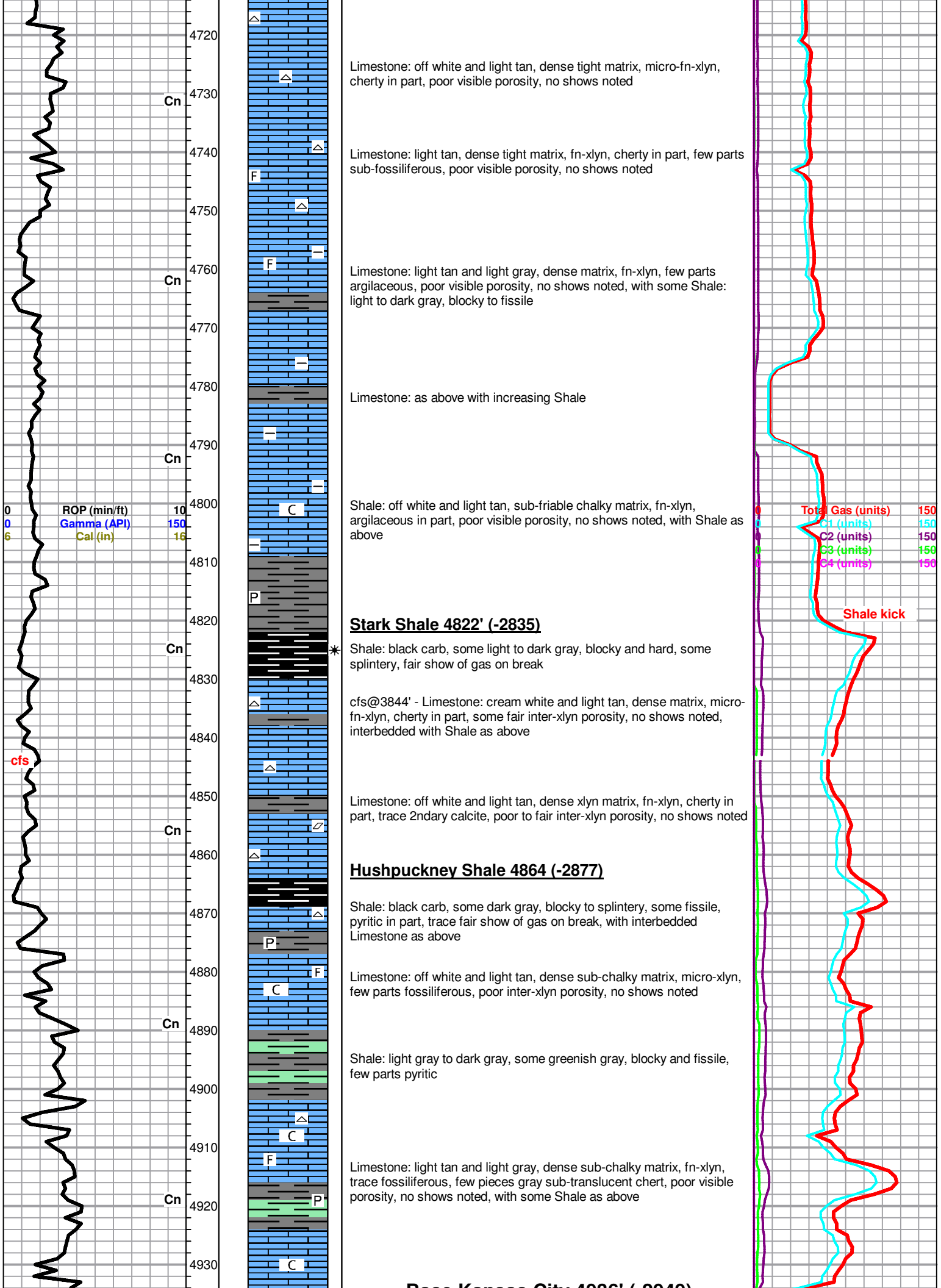
Limestone: cream white and light tan, dense matrix, fn-xlyn, few parts cherty, fair to good inter-xlyn porosity, no shows noted

Limestone: cream white and light tan, dense sub-chalky matrix, fn-xlyn, few parts cherty, fair pinpoint porosity in part, no shows noted, some shaley material

Limestone: off white and light tan, dense matrix, micro-fn-xlyn, cherty in part, poor inter-xlyn porosity, no shows noted

Shale: black carb, light to dark gray, blocky and splintery, mostly firm, pyritic in part, no gas show, with interbedded Limestone: light tan, fn-xlyn, argilaceous in part, poor visible porosity, no shows noted

Limestone: cream white and light tan, dense matrix, fn-xlyn, cherty in part, some scattered poor oomoldic development, few parts re-xlyzed, poor to fair inter-xlyn porosity, no shows noted, with some Shale as above



Limestone: off white and light tan, dense tight matrix, micro-fn-xlyn, cherty in part, poor visible porosity, no shows noted

Limestone: light tan, dense tight matrix, fn-xlyn, cherty in part, few parts sub-fossiliferous, poor visible porosity, no shows noted

Limestone: light tan and light gray, dense matrix, fn-xlyn, few parts argilaceous, poor visible porosity, no shows noted, with some Shale: light to dark gray, blocky to fissile

Limestone: as above with increasing Shale

Shale: off white and light tan, sub-friable chalky matrix, fn-xlyn, argilaceous in part, poor visible porosity, no shows noted, with Shale as above

Stark Shale 4822' (-2835)

Shale: black carb, some light to dark gray, blocky and hard, some splintery, fair show of gas on break

cfs@3844' - Limestone: cream white and light tan, dense matrix, micro-fn-xlyn, cherty in part, some fair inter-xlyn porosity, no shows noted, interbedded with Shale as above

Limestone: off white and light tan, dense xlyn matrix, fn-xlyn, cherty in part, trace 2ndary calcite, poor to fair inter-xlyn porosity, no shows noted

Hushpuckney Shale 4864 (-2877)

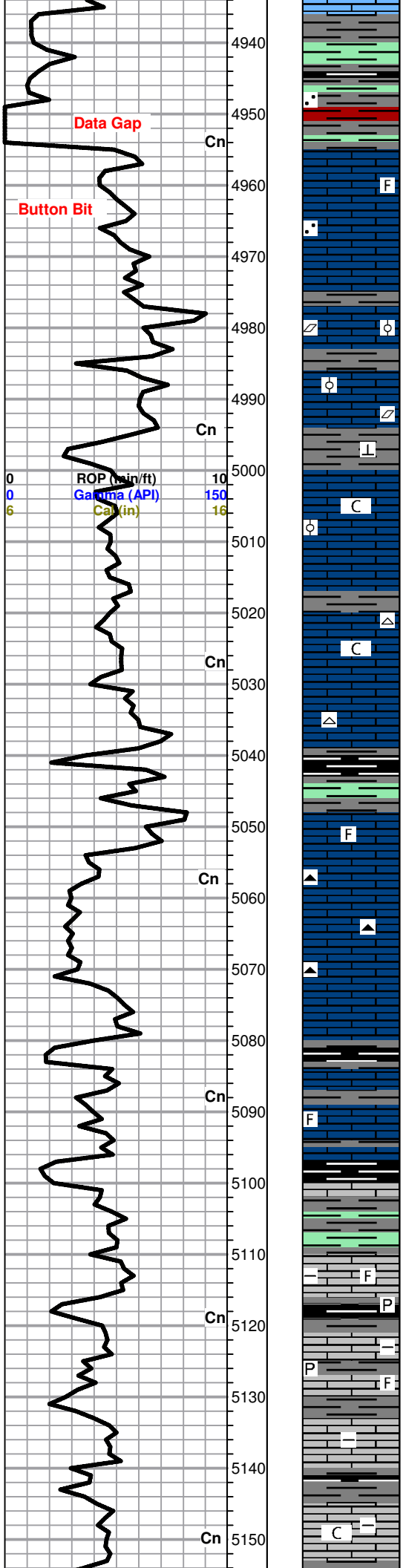
Shale: black carb, some dark gray, blocky to splintery, some fissile, pyritic in part, trace fair show of gas on break, with interbedded Limestone as above

Limestone: off white and light tan, dense sub-chalky matrix, micro-xlyn, few parts fossiliferous, poor inter-xlyn porosity, no shows noted

Shale: light gray to dark gray, some greenish gray, blocky and fissile, few parts pyritic

Limestone: light tan and light gray, dense sub-chalky matrix, fn-xlyn, trace fossiliferous, few pieces gray sub-translucent chert, poor visible porosity, no shows noted, with some Shale as above

Base Kansas City 4926' (-2940)



Base Kansas City 4936' (-2949)

Shale: mostly dark gray, some greenish gray and red, splintery and fissile, sightly sandy in part

Marmaton 4955' (-2968)

Limestone: cream white and light tan, dense matrix with scattered friable material, micro-fn-xlyn, trace fossiliferous, few parts sli sandy, poor visible porosity, no shows noted

Down for pump repairs 0300 hrs 03.10.15 @ 4954' TOH to check stands, fish out collars, change to button bit. Resume drilling 2000 hrs 03.11.15

Limestone: light gray and light tan, dense sub-xlyn matrix, fn-xlyn, oolitic in part, some scattered 2ndary calcite, poor visible porosity, no shows noted, with Shale: light to dark gray, blocky and hard, calcareous in part

Limestone: cream to light tan, dense sub-chalky matrix, fn-xlyn, sub-fossiliferous to micro-oolitic in part, poor visible porosity, no shows noted

Limestone: light tan to tan, dense sub-chalky matrix, micro-fn-xlyn, some scattered dense cherty limestone, poor visible porosity, no shows noted

Shale: black carb, some dark gray and greenish gray, blocky and hard

Pawnee Limestone 5048' (-3061)

Limestone: light tan, dense sub-chalky matrix, micro-xlyn, few parts fossiliferous, poor inter-xlyn porosity, no shows noted, with some scattered Chert: light tan and smokey gray, opaque to sub-translucent, sharp and fresh, no shows

Limestone: as above, decrease in Chert, and Shale: black carb, light to dark gray, mostly fissile, pyritic in part

Ft. Scott Limestone 5084' (-3097)

Limestone: cream tan, some mottled, dense sub-chalky matrix, micro-xlyn, sub-fossiliferous, poor visible porosity, no shows noted

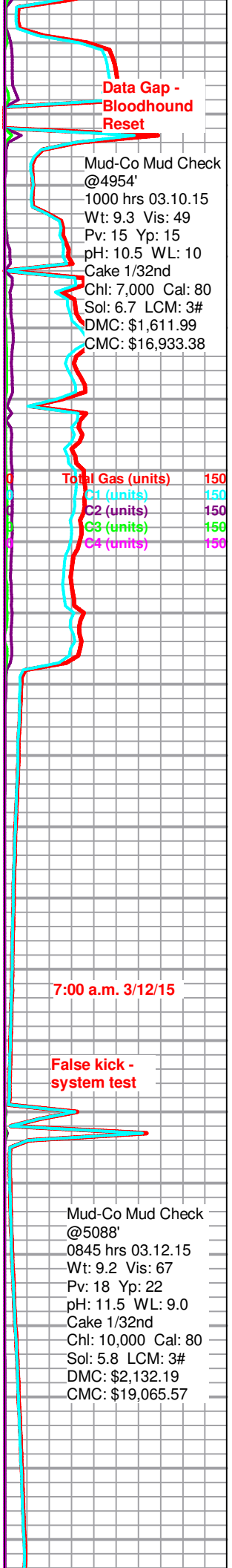
Cherokee 5097' (-3110)

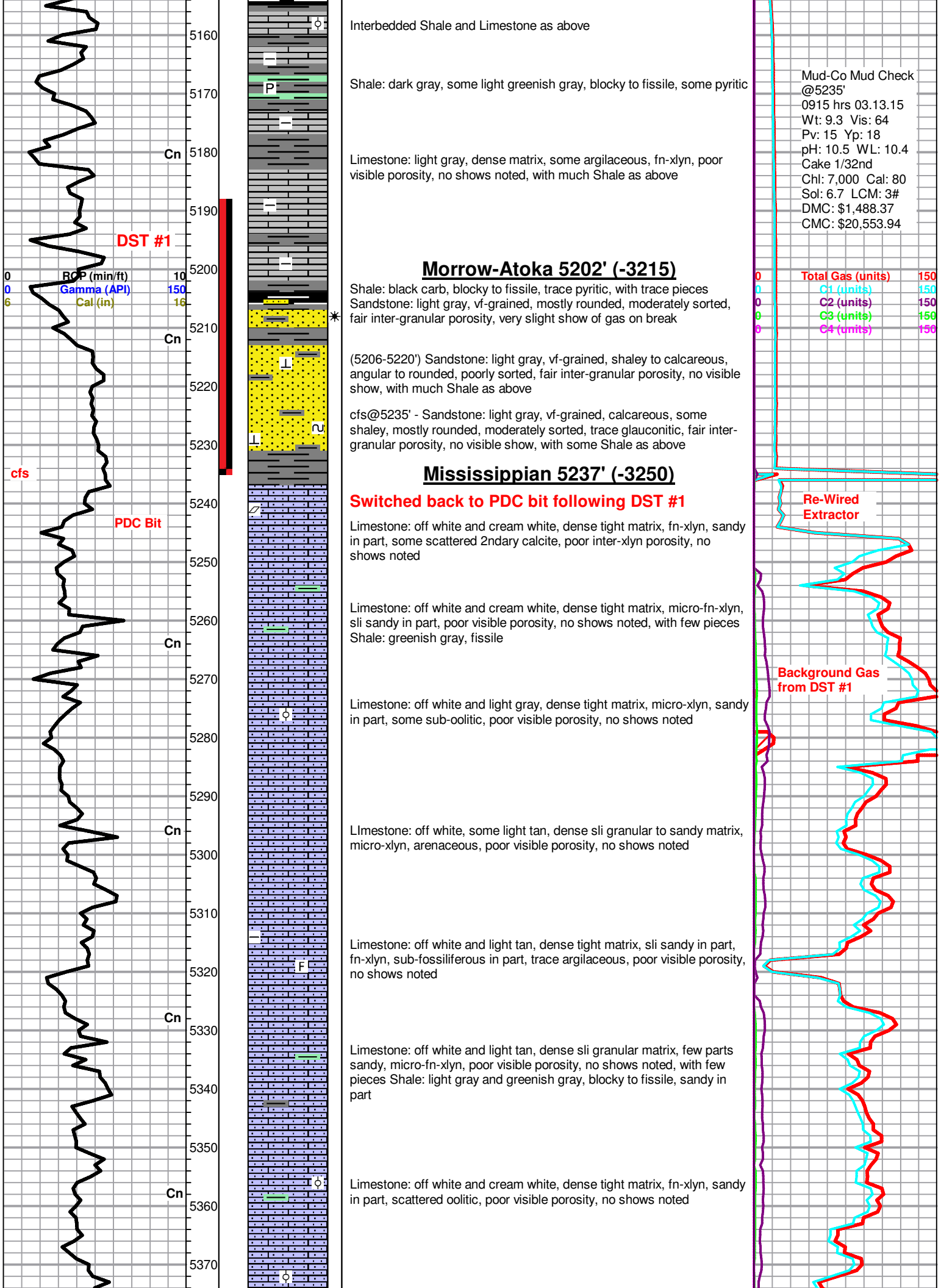
Shale: mostly black carb, some light gray and greenish gray, blocky and hard, some fissile

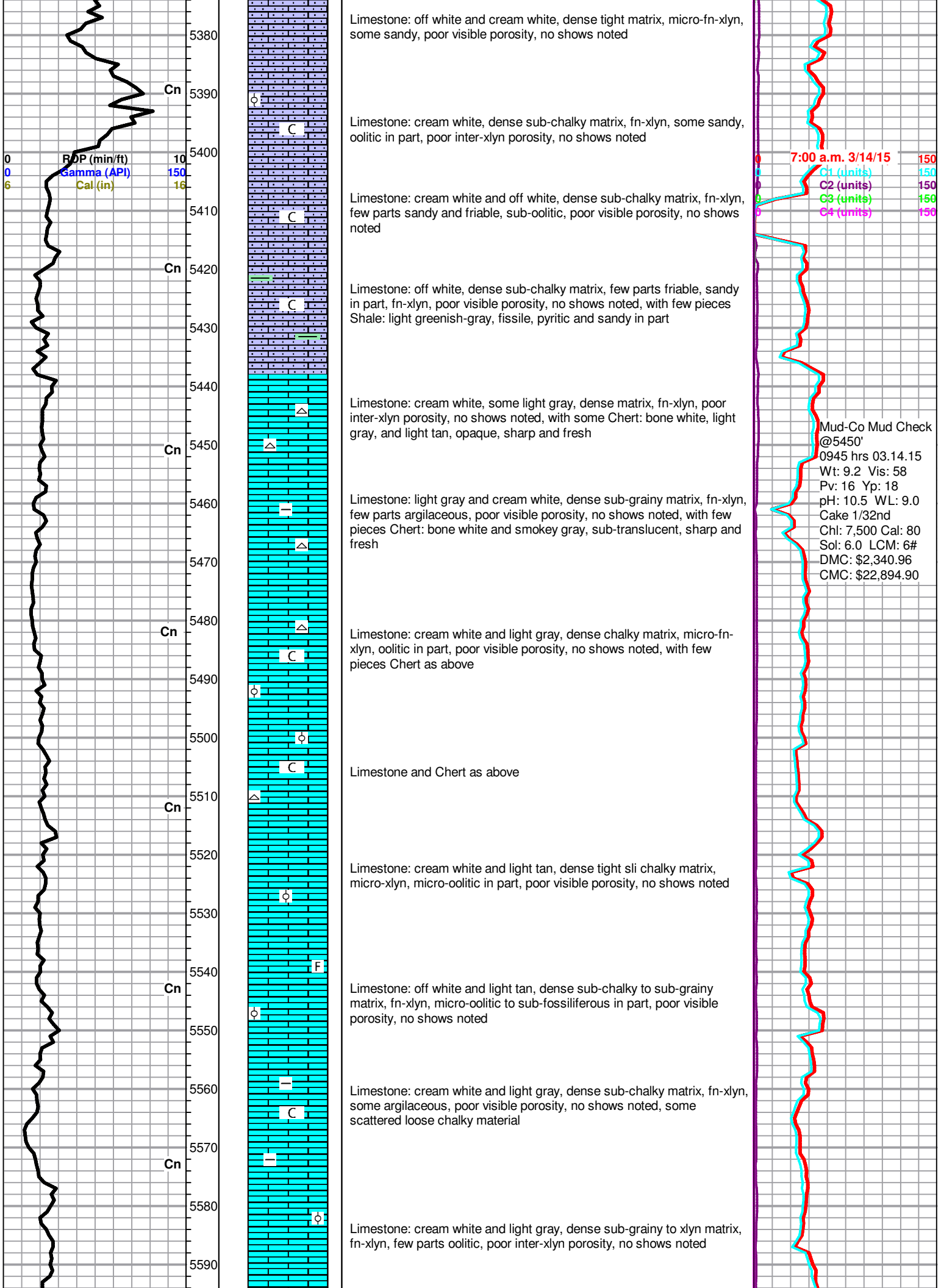
Limestone: light gray and light tan, dense matrix, some argilaceous, fn-xlyn, sub-fossiliferous, some poor pinpoint porosity, no shows noted, with interbedded Shale: dark gray, some black carb, fissile to blocky, pyritic in part

Limestone: light gray and light tan, dense sub-chalky matrix, some argilaceous, fn-xlyn, sub-oolitic, poor visible porosity, no shows noted, with much Shale as above

Start 10' wet & dry samples @ 5150'




0
ROP (min/ft)
10
0
Gamma (API)
150
6
Cal (in)
16
DST #1
cfs
PDC Bit
Cn
5160
5170
5180
5190
5200
5210
5220
5230
5240
5250
5260
5270
5280
5290
5300
5310
5320
5330
5340
5350
5360
5370
P
F
Interbedded Shale and Limestone as above
Shale: dark gray, some light greenish gray, blocky to fissile, some pyritic
Limestone: light gray, dense matrix, some argilaceous, fn-xlyn, poor visible porosity, no shows noted, with much Shale as above
Morrow-Atoka 5202' (-3215)
Shale: black carb, blocky to fissile, trace pyritic, with trace pieces
Sandstone: light gray, vf-grained, mostly rounded, moderately sorted, fair inter-granular porosity, very slight show of gas on break
(5206-5220') Sandstone: light gray, vf-grained, shaley to calcareous, angular to rounded, poorly sorted, fair inter-granular porosity, no visible show, with much Shale as above
cfs@5235' - Sandstone: light gray, vf-grained, calcareous, some shaley, mostly rounded, moderately sorted, trace glauconitic, fair inter-granular porosity, no visible show, with some Shale as above
Mississippian 5237' (-3250)
Switched back to PDC bit following DST #1
Limestone: off white and cream white, dense tight matrix, fn-xlyn, sandy in part, some scattered 2ndary calcite, poor inter-xlyn porosity, no shows noted
Limestone: off white and cream white, dense tight matrix, micro-fn-xlyn, sli sandy in part, poor visible porosity, no shows noted, with few pieces Shale: greenish gray, fissile
Limestone: off white and light gray, dense tight matrix, micro-xlyn, sandy in part, some sub-oolitic, poor visible porosity, no shows noted
LImestone: off white, some light tan, dense sli granular to sandy matrix, micro-xlyn, arenaceous, poor visible porosity, no shows noted
Limestone: off white and light tan, dense tight matrix, sli sandy in part, fn-xlyn, sub-fossiliferous in part, trace argilaceous, poor visible porosity, no shows noted
Limestone: off white and light tan, dense sli granular matrix, few parts sandy, micro-fn-xlyn, poor visible porosity, no shows noted, with few pieces Shale: light gray and greenish gray, blocky to fissile, sandy in part
Limestone: off white and cream white, dense tight matrix, fn-xlyn, sandy in part, scattered oolitic, poor visible porosity, no shows noted
Mud-Co Mud Check
@5235'
0915 hrs 03.13.15
Wt: 9.3 Vis: 64
Pv: 15 Yp: 18
pH: 10.5 WL: 10.4
Cake 1/32nd
Chl: 7,000 Cal: 80
Sol: 6.7 LCM: 3#
DMC: $1,488.37
CMC: $20,553.94
0
Total Gas (units)
150
0
C1 (units)
150
0
C2 (units)
150
0
C3 (units)
150
0
C4 (units)
150
Re-Wired
Extractor
Background Gas
from DST #1



Limestone: off white and cream white, dense tight matrix, micro-fn-xlyn, some sandy, poor visible porosity, no shows noted

Limestone: cream white, dense sub-chalky matrix, fn-xlyn, some sandy, oolitic in part, poor inter-xlyn porosity, no shows noted

Limestone: cream white and off white, dense sub-chalky matrix, fn-xlyn, few parts sandy and friable, sub-oolitic, poor visible porosity, no shows noted

Limestone: off white, dense sub-chalky matrix, few parts friable, sandy in part, fn-xlyn, poor visible porosity, no shows noted, with few pieces Shale: light greenish-gray, fissile, pyritic and sandy in part

Limestone: cream white, some light gray, dense matrix, fn-xlyn, poor inter-xlyn porosity, no shows noted, with some Chert: bone white, light gray, and light tan, opaque, sharp and fresh

Mud-Co Mud Check
@5450'
0945 hrs 03.14.15
Wt: 9.2 Vis: 58
Pv: 16 Yp: 18
pH: 10.5 WL: 9.0
Cake 1/32nd
Chl: 7,500 Cal: 80
Sol: 6.0 LCM: 6#
DMC: $2,340.96
CMC: $22,894.90

Limestone: light gray and cream white, dense sub-grainy matrix, fn-xlyn, few parts argilaceous, poor visible porosity, no shows noted, with few pieces Chert: bone white and smokey gray, sub-translucent, sharp and fresh

Limestone: cream white and light gray, dense chalky matrix, micro-fn-xlyn, oolitic in part, poor visible porosity, no shows noted, with few pieces Chert as above

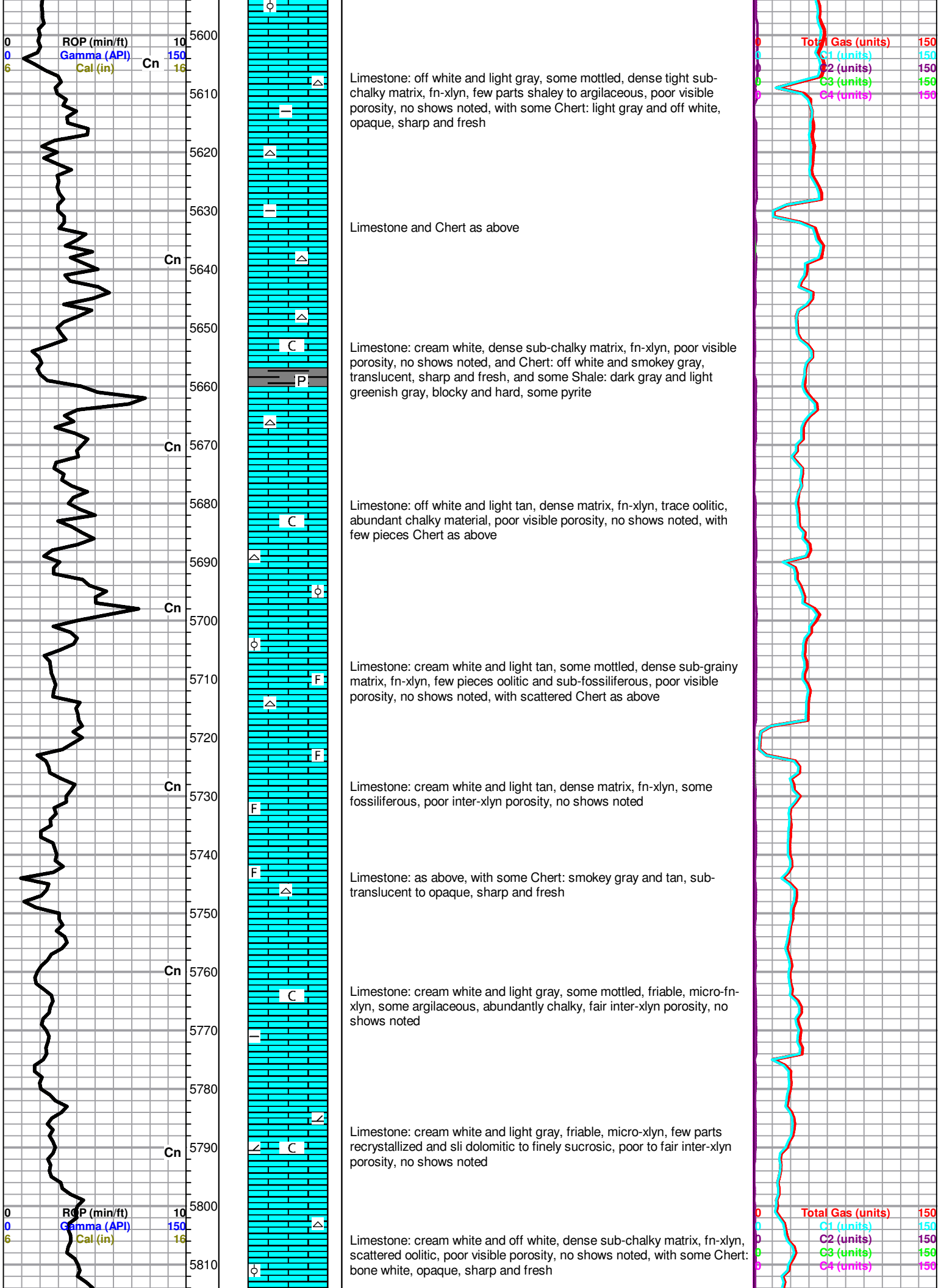
Limestone and Chert as above

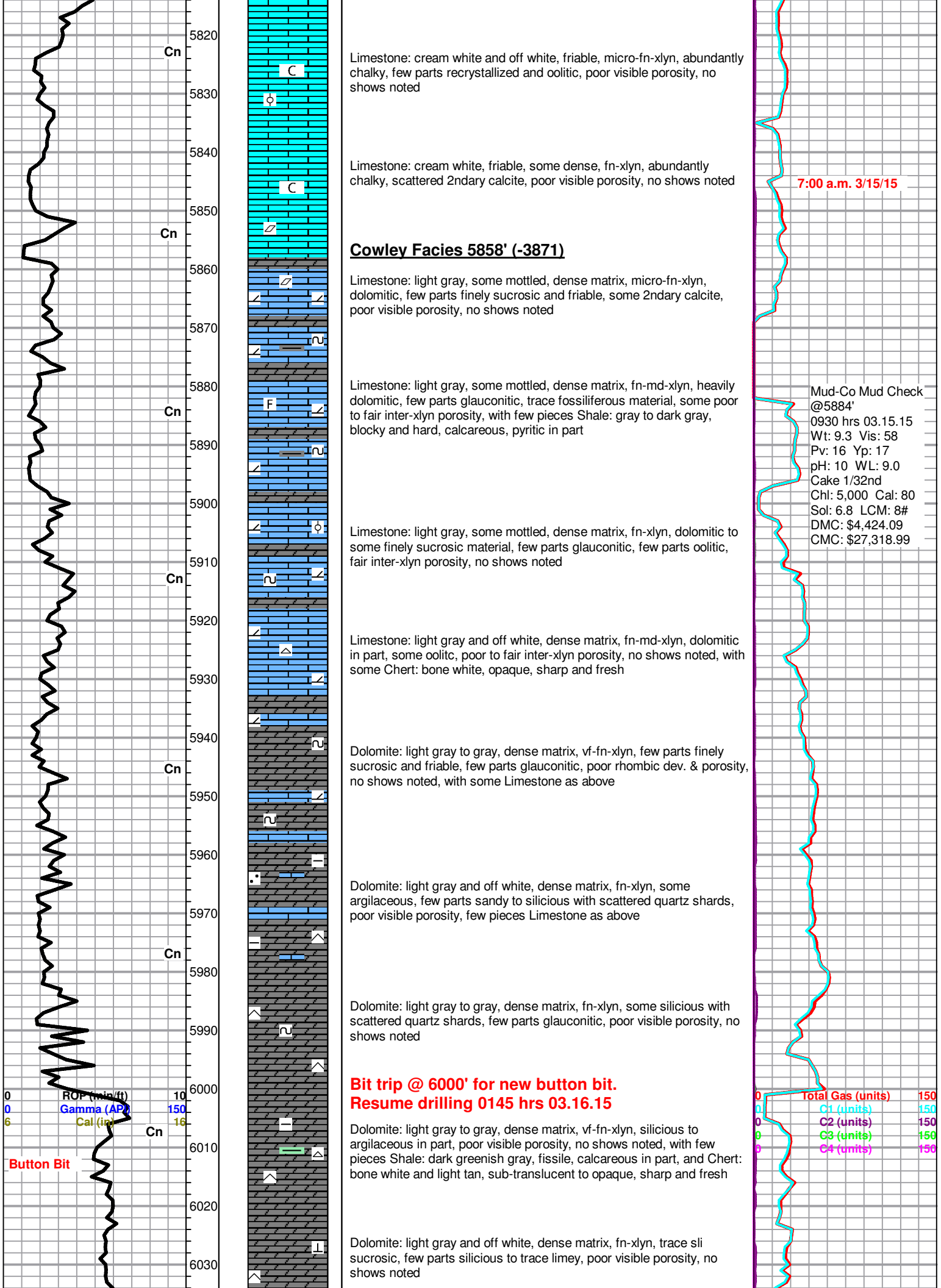
Limestone: cream white and light tan, dense tight sli chalky matrix, micro-xlyn, micro-oolitic in part, poor visible porosity, no shows noted

Limestone: off white and light tan, dense sub-chalky to sub-grainy matrix, fn-xlyn, micro-oolitic to sub-fossiliferous in part, poor visible porosity, no shows noted

Limestone: cream white and light gray, dense sub-chalky matrix, fn-xlyn, some argilaceous, poor visible porosity, no shows noted, some scattered loose chalky material

Limestone: cream white and light gray, dense sub-grainy to xlyn matrix, fn-xlyn, few parts oolitic, poor inter-xlyn porosity, no shows noted


0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16
Cn
5600
5610
5620
5630
Cn
5640
5650
5660
Cn
5670
5680
5690
Cn
5700
5710
5720
Cn
5730
5740
5750
Cn
5760
5770
5780
Cn
5790
5800
5810
C
P
C
F
F
F
C
C
0 Total Gas (units) 150
0 C1 (units) 150
0 C2 (units) 150
0 C3 (units) 150
0 C4 (units) 150
Limestone: off white and light gray, some mottled, dense tight sub-chalky matrix, fn-xlyn, few parts shaley to argilaceous, poor visible porosity, no shows noted, with some Chert: light gray and off white, opaque, sharp and fresh
Limestone and Chert as above
Limestone: cream white, dense sub-chalky matrix, fn-xlyn, poor visible porosity, no shows noted, and Chert: off white and smokey gray, translucent, sharp and fresh, and some Shale: dark gray and light greenish gray, blocky and hard, some pyrite
Limestone: off white and light tan, dense matrix, fn-xlyn, trace oolitic, abundant chalky material, poor visible porosity, no shows noted, with few pieces Chert as above
Limestone: cream white and light tan, some mottled, dense sub-grainy matrix, fn-xlyn, few pieces oolitic and sub-fossiliferous, poor visible porosity, no shows noted, with scattered Chert as above
Limestone: cream white and light tan, dense matrix, fn-xlyn, some fossiliferous, poor inter-xlyn porosity, no shows noted
Limestone: as above, with some Chert: smokey gray and tan, sub-translucent to opaque, sharp and fresh
Limestone: cream white and light gray, some mottled, friable, micro-fn-xlyn, some argilaceous, abundantly chalky, fair inter-xlyn porosity, no shows noted
Limestone: cream white and light gray, friable, micro-xlyn, few parts recrystallized and sli dolomitic to finely sucrosic, poor to fair inter-xlyn porosity, no shows noted
Limestone: cream white and off white, dense sub-chalky matrix, fn-xlyn, scattered oolitic, poor visible porosity, no shows noted, with some Chert: bone white, opaque, sharp and fresh



Limestone: cream white and off white, friable, micro-fn-xlyn, abundantly chalky, few parts recrystallized and oolitic, poor visible porosity, no shows noted

Limestone: cream white, friable, some dense, fn-xlyn, abundantly chalky, scattered 2ndary calcite, poor visible porosity, no shows noted

Cowley Facies 5858' (-3871)

Limestone: light gray, some mottled, dense matrix, micro-fn-xlyn, dolomitic, few parts finely sucrosic and friable, some 2ndary calcite, poor visible porosity, no shows noted

Limestone: light gray, some mottled, dense matrix, fn-md-xlyn, heavily dolomitic, few parts glauconitic, trace fossiliferous material, some poor to fair inter-xlyn porosity, with few pieces Shale: gray to dark gray, blocky and hard, calcareous, pyritic in part

Limestone: light gray, some mottled, dense matrix, fn-xlyn, dolomitic to some finely sucrosic material, few parts glauconitic, few parts oolitic, fair inter-xlyn porosity, no shows noted

Limestone: light gray and off white, dense matrix, fn-md-xlyn, dolomitic in part, some oolitc, poor to fair inter-xlyn porosity, no shows noted, with some Chert: bone white, opaque, sharp and fresh

Dolomite: light gray to gray, dense matrix, vf-fn-xlyn, few parts finely sucrosic and friable, few parts glauconitic, poor rhombic dev. & porosity, no shows noted, with some Limestone as above

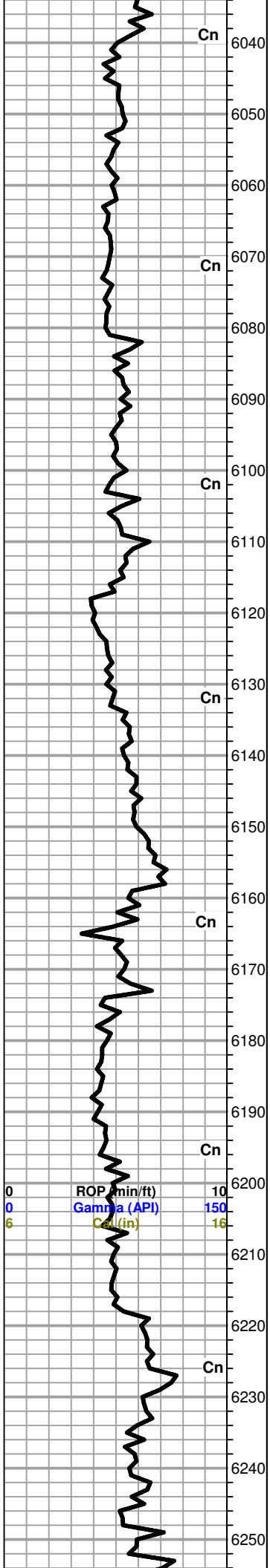
Dolomite: light gray and off white, dense matrix, fn-xlyn, some argilaceous, few parts sandy to silicious with scattered quartz shards, poor visible porosity, few pieces Limestone as above

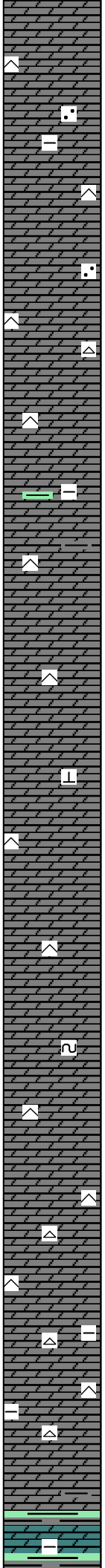
Dolomite: light gray to gray, dense matrix, fn-xlyn, some silicious with scattered quartz shards, few parts glauconitic, poor visible porosity, no shows noted

Bit trip @ 6000' for new button bit.
Resume drilling 0145 hrs 03.16.15

Dolomite: light gray to gray, dense matrix, vf-fn-xlyn, silicious to argilaceous in part, poor visible porosity, no shows noted, with few pieces Shale: dark greenish gray, fissile, calcareous in part, and Chert: bone white and light tan, sub-translucent to opaque, sharp and fresh

Dolomite: light gray and off white, dense matrix, fn-xlyn, trace sli sucrosic, few parts silicious to trace limey, poor visible porosity, no shows noted





Dolomite: light gray to gray, dense matrix, vf-fn-xlyn, silicious to sandy in part with rare quartz shards, poor visible porosity, no shows noted

Dolomite: light gray and gray, dense matrix, fn-xlyn, silicious to sandy in part, some argilacious, poor visible porosity, no shows noted

Dolomite: light gray and gray, dense matrix, vf-fn-xlyn, silicious to sandy in part, poor visible porosity, with scattered pieces Chert: bone white and light gray, opaque, sharp and fresh

Dolomite: light gray, dense matrix, vf-xlyn, some very finely sucrosic, silicious in part with trace quartz shards, poor visible porosity, no shows noted

Dolomite: light gray and gray, dense matrix, fn-xlyn, silicious in part, some argilacious to shaley, poor visible porosity, no shows noted

Lost circulation @ 6118', 1400 hrs 03.16.15
Resume drilling 1930 hrs 03.16.15

Dolomite: light gray and gray, dense matrix, vf-fn-xlyn, few parts very finely sucrosic and friable, silicious in part, poor visible porosity, no shows noted

Lost circulation @ 6131', 2030 hrs 03.16.15
Resume drilling 0315 hrs 03.17.15

Dolomite: light gray and gray, dense matrix, fn-xlyn, some silicious to sandy, few parts limey to sli chalky, poor visible porosity, no shows noted

Dolomite: light gray, dense matrix, vf-xlyn, some finely sucrosic, silicious in part, poor visible porosity, no shows noted

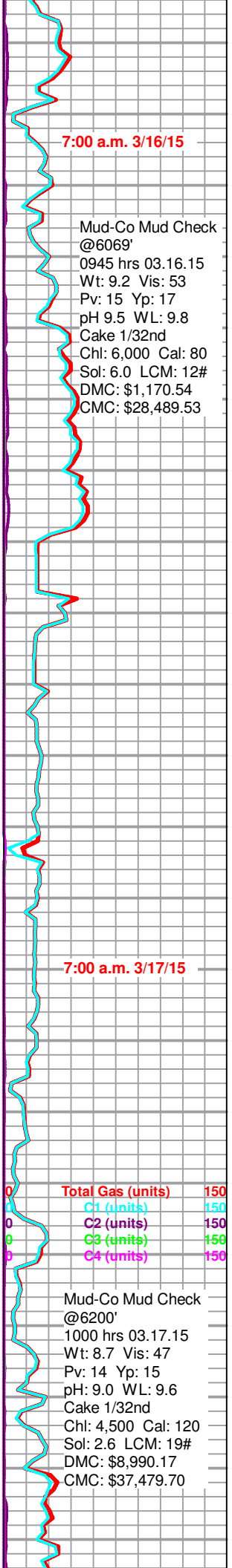
Dolomite: light to dark gray, dense matrix, fn-xlyn, silicious in part with trace quartz shards, trace glauconitic, poor visible porosity, no shows noted

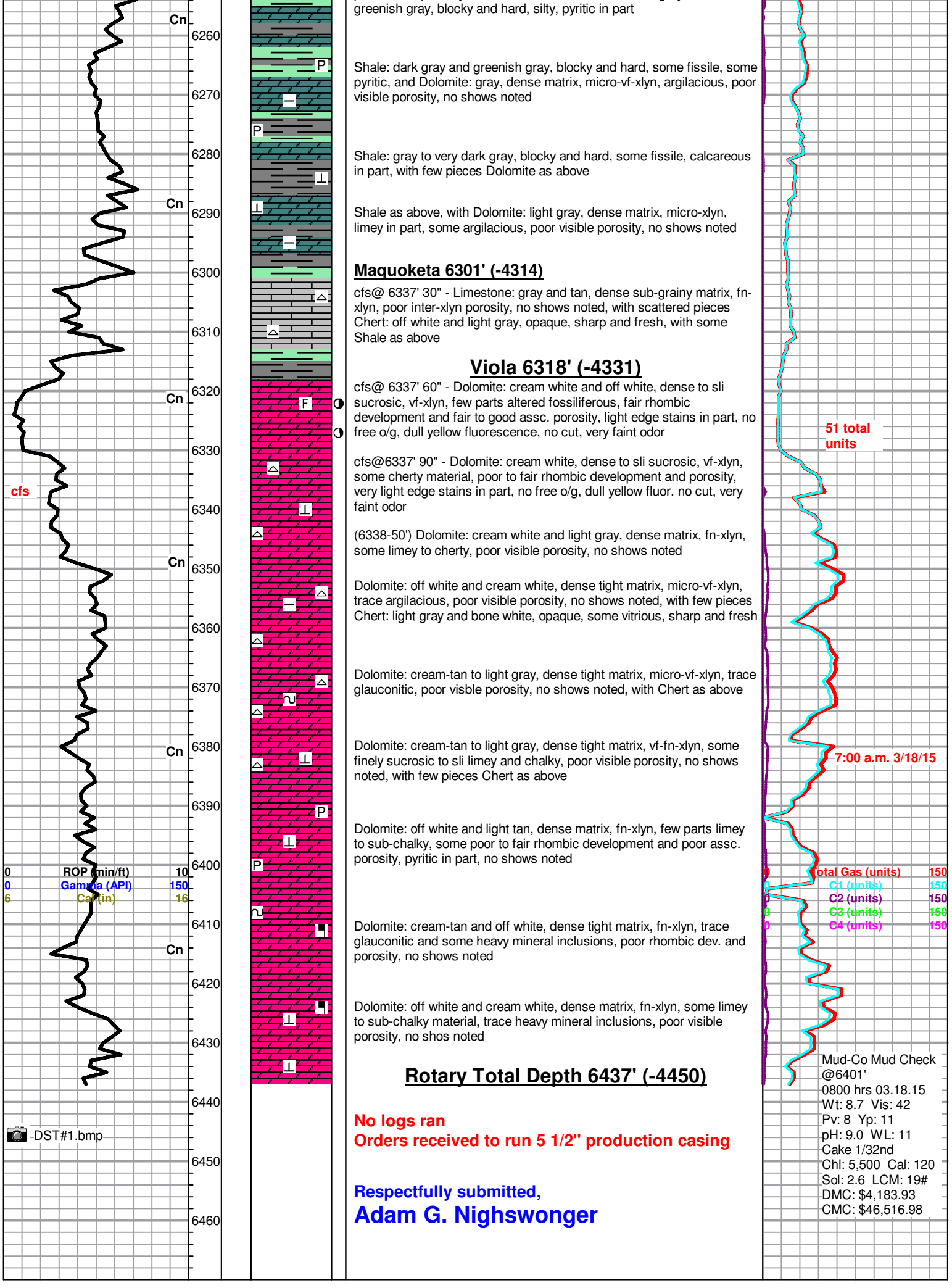
Dolomite: light to dark gray, dense matrix, vf-xlyn, most silicious to a few cherty pieces, trace pyritic, poor visible porosity, no shows noted

Dolomite: light to dark gray, dense matrix, fn-xlyn, some argilacious to silicious, scattered cherty pieces, poor visible porosity, no shows noted

Kinderhook 6246' (-4259)

Dolomite: light to dark gray, dense matrix, vf-xlyn, argilacious in part, poor visible porosity, no shows noted, and Shale: dark gray and





greenish gray, blocky and hard, silty, pyritic in part

Shale: dark gray and greenish gray, blocky and hard, some fissile, some pyritic, and Dolomite: gray, dense matrix, micro-vf-xlyn, argilacious, poor visible porosity, no shows noted

Shale: gray to very dark gray, blocky and hard, some fissile, calcareous in part, with few pieces Dolomite as above

Shale as above, with Dolomite: light gray, dense matrix, micro-xlyn, limey in part, some argilacious, poor visible porosity, no shows noted

Maquoketa 6301' (-4314)

cfs@ 6337' 30" - Limestone: gray and tan, dense sub-grainy matrix, fn-xlyn, poor inter-xlyn porosity, no shows noted, with scattered pieces Chert: off white and light gray, opaque, sharp and fresh, with some Shale as above

Viola 6318' (-4331)

cfs@ 6337' 60" - Dolomite: cream white and off white, dense to sli sucrosic, vf-xlyn, few parts altered fossiliferous, fair rhombic development and fair to good assc. porosity, light edge stains in part, no free o/g, dull yellow fluorescence, no cut, very faint odor

cfs@6337' 90" - Dolomite: cream white, dense to sli sucrosic, vf-xlyn, some cherty material, poor to fair rhombic development and porosity, very light edge stains in part, no free o/g, dull yellow fluor. no cut, very faint odor

(6338-50') Dolomite: cream white and light gray, dense matrix, fn-xlyn, some limey to cherty, poor visible porosity, no shows noted

Dolomite: off white and cream white, dense tight matrix, micro-vf-xlyn, trace argilacious, poor visible porosity, no shows noted, with few pieces Chert: light gray and bone white, opaque, some vitrious, sharp and fresh

Dolomite: cream-tan to light gray, dense tight matrix, micro-vf-xlyn, trace glauconitic, poor visble porosity, no shows noted, with Chert as above

Dolomite: cream-tan to light gray, dense tight matrix, vf-fn-xlyn, some finely sucrosic to sli limey and chalky, poor visible porosity, no shows noted, with few pieces Chert as above

Dolomite: off white and light tan, dense matrix, fn-xlyn, few parts limey to sub-chalky, some poor to fair rhombic development and poor assc. porosity, pyritic in part, no shows noted

Dolomite: cream-tan and off white, dense tight matrix, fn-xlyn, trace glauconitic and some heavy mineral inclusions, poor rhombic dev. and porosity, no shows noted

Dolomite: off white and cream white, dense matrix, fn-xlyn, some limey to sub-chalky material, trace heavy mineral inclusions, poor visible porosity, no shos noted

Rotary Total Depth 6437' (-4450)

No logs ran
Orders received to run 5 1/2" production casing

Respectfully submitted,
Adam G. Nighswonger

Mud-Co Mud Check @6401'
0800 hrs 03.18.15
Wt: 8.7 Vis: 42
Pv: 8 Yp: 11
pH: 9.0 WL: 11
Cake 1/32nd
Chl: 5,500 Cal: 120
Sol: 2.6 LCM: 19#
DMC: $4,183.93
CMC: $46,516.98

DST#1.bmp

DRILL STEM TEST REPORT

Coral Coast Petroleum LLC

8100 East 22nd Street Building 600 Suite R
Wichita, Kansas 67226

ATTN: Adam Nighsw onger

24-32s-21w Clark

Loesch #2

Job Ticket: 10025 **DST#: 1**

Test Start: 2015.03.13 @ 04:00:00

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:03:00
Time Test Ended: 12:20:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 1

Interval: 5188.00 ft (KB) To 5235.00 ft (KB) (TVD)
Total Depth: 5188.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

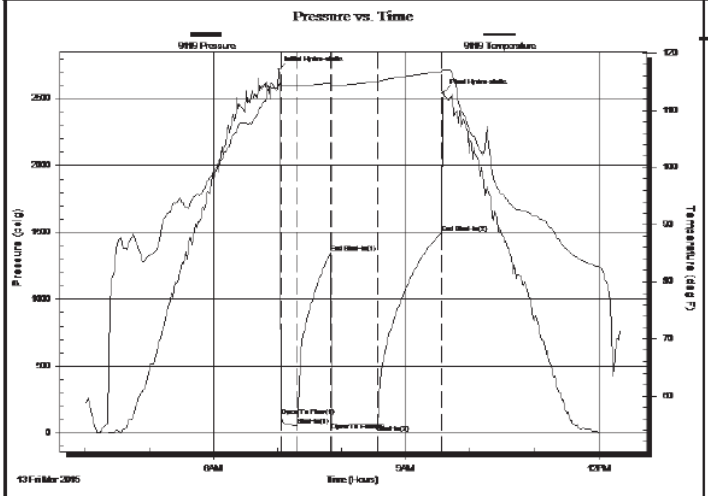
Reference Elevations: 1987.00 ft (KB)
1977.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 9119 **Outside**

Press@RunDepth: 67.12 psig @ 5230.14 ft (KB)
Start Date: 2015.03.13 End Date: 2015.03.13
Start Time: 04:00:00 End Time: 12:20:00

Capacity: 8000.00 psig
Last Calib.: 2015.03.13
Time On Btm: 2015.03.13 @ 07:01:00
Time Off Btm: 2015.03.13 @ 09:34:30

TEST COMMENT:
1st Opening 15 Minutes-Strong blow built to the bottom of a 5 gallon bucket in 30 seconds
1st Shut-In 30 Minutes - did blow back
2nd Opening 45 Minutes-Strong blow bottom of the bucket in 30 seconds gas to surface in one minute
2nd Shut-In 60 Minutes-Did blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2715.61	114.21	Initial Hydro-static
2	128.92	114.36	Open To Flow (1)
17	57.50	114.19	Shut-In(1)
48	1344.43	114.78	End Shut-In(1)
49	76.20	114.42	Open To Flow (2)
92	67.12	115.03	Shut-In(2)
153	1495.27	116.76	End Shut-In(2)
154	2544.67	117.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	heact gassy mud	1.54

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	-0.52	93.63
Last Gas Rate	0.50	-0.52	93.63
Max. Gas Rate	0.50	-0.52	93.63