



Scale 1:240 Imperial

Well Name: Renick #2
Surface Location: 710' FNL and 2000' FEL
Bottom Location:
API: 15-069-20460-0000
License Number: 34320
Spud Date: 2/24/2014 Time: 10:00 PM
Region: Sec. 19 - T25S - R29W, Gray County
Drilling Completed: 3/3/2014 Time: 1:10 PM
Surface Coordinates:
Bottom Hole Coordinates:
Ground Elevation: 2814.00ft
K.B. Elevation: 2822.00ft
Logged Interval: 4050.00ft To: 5206.00ft
Total Depth: 5206.00ft
Formation: Mississippian - St. Louis
Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Lasso Energy LLC
Address: P.O. Box 465
1125 S. Main St.
Chase, KS 67524
Contact Geologist: Bruce Kelso
Contact Phone Nbr: 918.633.9655
Well Name: Renick #2
Location: 710' FNL and 2000' FEL API: 15-069-20460-0000
Pool: Unnamed
State: Kansas Country: USA

LOGGED BY



Company: Valhalla Exploration, LLC
Address: 8100 E. 22nd St. North
Building 1800-2
Wichita, KS 67226
Phone Nbr: 316.655.3550
Logged By: Geologist Name: Derek W. Patterson

REMARKS

It was concluded that the Renick #2 wellbore intersected the existing Renick 'Q' #1 wellbore at/around 1879'; the point where circulation was lost. Slawson plugged & abandoned said wellbore in 1981 as a dry hole. From 1879' to RTD the Renick #2 was treated as a wash down of the original Renick 'Q' #1. Open hole logs were conducted following the completion of the wash down.

5 1/2' production casing was ran and cemented for further evaluation of the Renick #2.

All geologic descriptions and DST information have been imported/copied over from the original report for Slawson's Renick "Q" #1.

Respectfully Submitted,

Derek W. Patterson

GENERAL INFORMATION

Service Companies

Drilling Contractor: Fossil Drilling - Rig #2
Tool Pusher: Craig Eubank
Daylight Driller: Kerry Clark

Drilling Fluid: Mud-Co/Service Mud Inc.
Engineer: Justin Whiting

Evening Driller: Jesse Reynolds
Morning Driller: Edward Raney
Relief: Michael Moore

Logging Company: Tucker Energy Services
Engineer: R. King
Logs Ran: DI, CDNL, Micro
Deviation Log

Gas Detector: Bluestem Environmental
Engineer: Sidney Edelbrock
Unit: 0087
Operational By: 1833'

Testing Company: None Performed
Tester: N/A

Deviation Survey	
Depth	Survey
373'	1/2°
860'	3/4°
1112'	1 3/4°
1794'	1°
1833'	2°
1928'	1 1/4°
2241'	1 3/4°
2743'	3/4°
3276'	1/2°
3935'	0°

Pipe Strap	
Depth	Pipe Strap
None Performed	

Bit Record								
Bit #	Size	Make	Type	Serial Number	Depth In	Depth Out	Feet	Hours
1	12 1/4"	Varel	MT	--	0'	1794'	1794'	28
2	7 7/8"	Varel	HE-29	1392766	1794'	5205'	3411'	52.75

Surface Casing	
2.27.2014	Ran 44 joints of new 24#/ft 8 5/8" casing, tallying 1774', set @ 1785' KB. Cemented with 455 sacks A Common, 150 sacks Premium Plus. Cement did circulate. Plug down @ 0950 hrs 2.27.14. By Basic Energy Services.

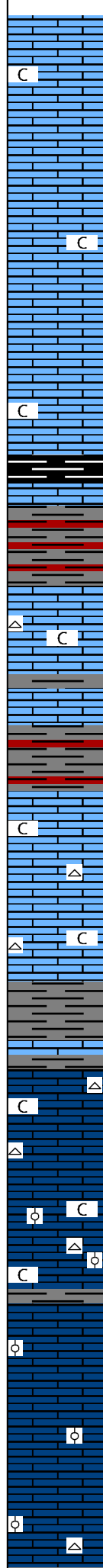
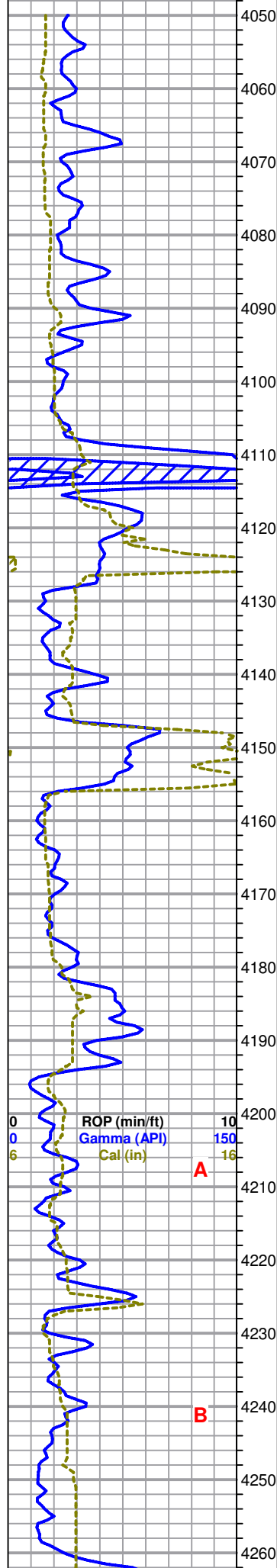
Production Casing	
3.4.2014	Ran 123 joints of new 17#/ft 5 1/2" production casing, tallying 5157.89', set @ 5157' KB. Cemented with 270 sacks AA2. Rathole plugged with 30 sacks AA2. Cement did circulate. Plug down @ 2230 hrs 3.4.14. By Basic Energy Services.

DAILY DRILLING REPORT

Date	0700 Hrs Depth	Previous 24 Hours of Operations
3.3.2014	4594'	Geologist Derek W. Patterson on location 1720 hrs 3.2.14. It was determined that the Renick #2 penetrated into the old wellbore (Renick 'Q' #1). The decision was made to wash down the existing wellbore to its old TD of 5200'. Rig currently washing down Renick 'Q' #1 wellbore. Made 1067' over past 24 hrs of operations. DMC: \$1,248.40 CMC: \$14,512.60
3.4.2014	RTD - 5205' LTD - 5206'	Continue wash down and ream old Renick 'Q' #1 wellbore. Old TD of 5205' reached 1310 hrs 3.3.14. CTCH, conduct short trip up into surface casing. CTCH back on bottom. TOH for open hole logging operations 1915 hrs 3.3.14. Rig up Tucker Energy Services. Conduct open hole logging operations. Orders received to run 5 1/2" production casing for further evaluation of the Renick #2. Geologist Derek W. Patterson off location 0615 hrs 3.4.14. Made 611' over past 24 hrs of operations. DMC: \$1,978.60 CMC: \$16,491.20

WELL COMPARISON SHEET

Drilling Well			Comparison Well			Comparison Well			Comparison Well		
Lasso Energy LLC - Renick #2 Sec. 19 - T2S - R29W 710' FNL & 2000' FEL 2822 KB			Slawson - Renick 'Q' #1 Sec. 19 - T2S - R29W 660' FNL & 2000' FEL Dry 2820 KB			Gear Petroleum - Strawn 'A' #1 Sec. 20 - T2S - R29W NW NW Dry 2732 KB			Becker Clyde - Strawn #1 Sec. 20 - T2S - R29W 100' W of SW SE NE Oil - St. Louis 2780 KB		
Formation	Log	Sub-Sea	Log	Sub-Sea	Log	Log	Sub-Sea	Log	Log	Sub-Sea	Log
Heebner	4110	-1288	4106	-1286	-2	4032	-1300	12	4073	-1293	5
Toronto	4128	-1306	4124	-1304	-2	4047	-1315	9	4086	-1306	0
Lansing-Kansas City	4194	-1372	4190	-1370	-2	4118	-1386	14	4158	-1378	6
LKC 'B'	4226	-1404	4223	-1403	-1	4156	-1424	20	4193	-1413	9
LKC 'D'	4268	-1446	4264	-1444	-2	4188	-1456	10	4226	-1446	0
LKC 'F'	4295	-1473	4291	-1471	-2	4216	-1484	11	4256	-1476	3
LKC 'G'	4327	-1505	4323	-1503	-2	4249	-1517	12	4282	-1502	-3
Muncie Creek	4371	-1549	4368	-1548	-1	4298	-1566	17	4328	-1548	-1
LKC 'H'	4379	-1557	4375	-1555	-2	4304	-1572	15	4334	-1554	-2



Limestone: increase in fossils and porosity, more chalky, pinhole & vug porosity, no show.

Limestone.

Limestone.

Limestone: scattered porosity.

HEEBNER 4110' (-1288')

Shale: black, carbonaceous.

TORONTO 4128' (-1306')

Limestone: cream tan, fn-xln, compact & white chalky, some gray Chert.

Limestone.

Shale: gray & red.

Limestone: off white to tan, fn-xln, compact & white chalky, slight scattered pinhole porosity, no show.

Limestone: same, vuggy porosity, no show, some white Chert.

Shale: dk gray.

LANSING-KANSAS CITY 4194' (-1372')

Limestone: tan & off white, fn-xln, compact, some white chalk, some white Chert.

Limestone: off white, fn-xln, oolitic, poor porosity, much white chalk, some Chert.

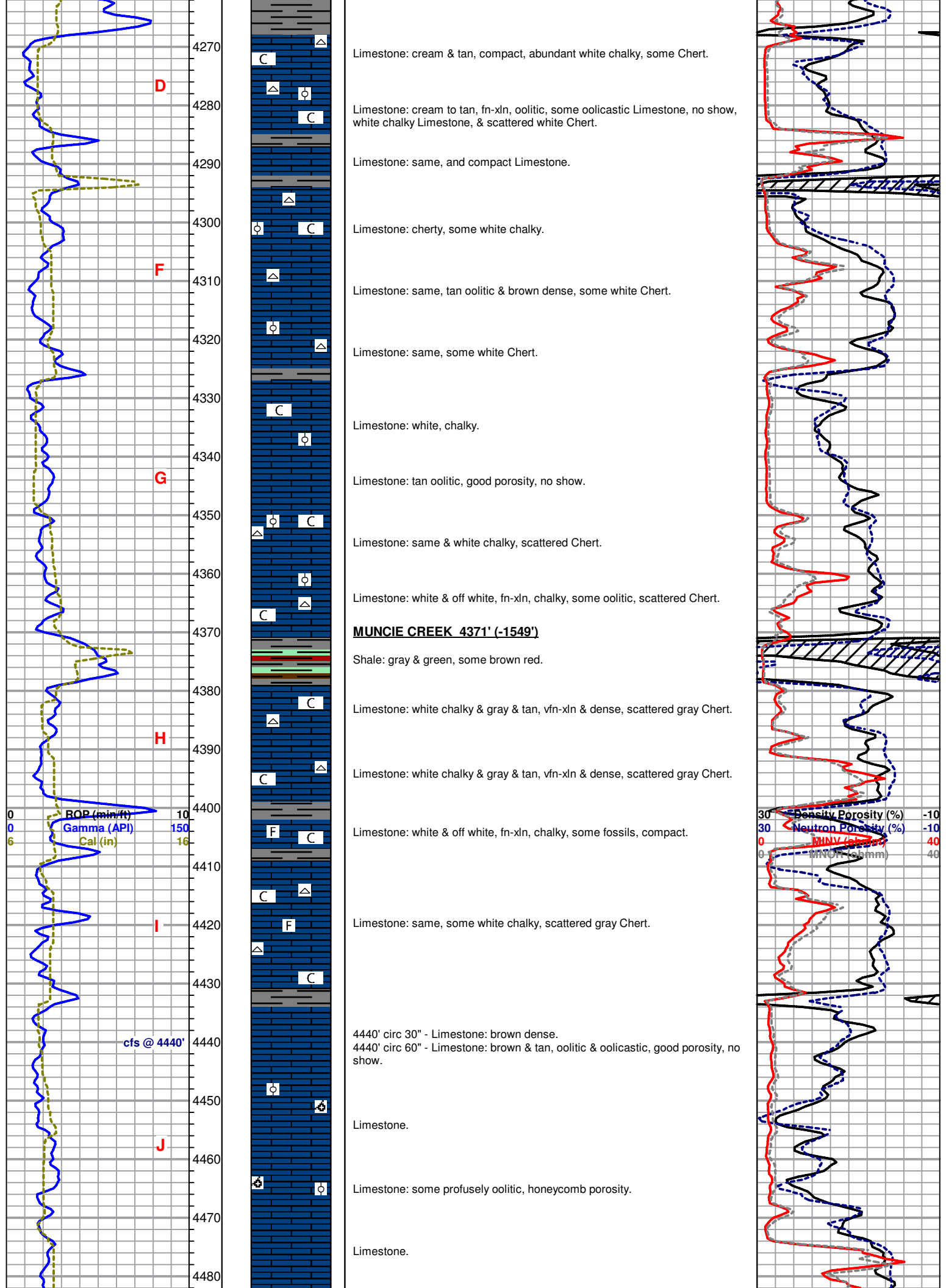
Limestone: same, some fair-good tiny vug porosity, no show.

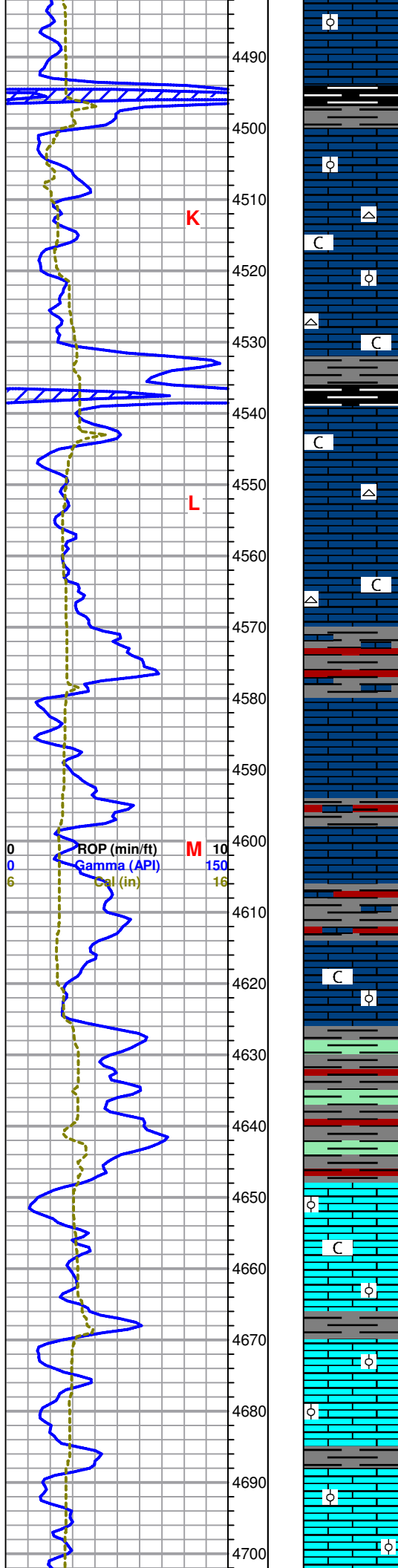
Limestone: tan oolitic, same.

Limestone: same, with sub-oolitic porosity, no show.

Limestone: same, and Limestone: cream to tan, fn-xln, compact, and lt gray Chert.







Limestone: brown, dense, compact.

STARK 4494' (-1672')

Shale: black, carbonaceous, some gray.

Limestone: buff & white, fn-xln, oolitic, compact.

Limestone: same, no visible porosity, abundant white chalky Limestone, scattered gray Chert.

HUSHPUCKNEY 4536' (-1714')

Shale: gray some black, carbonaceous.

Limestone: lt gray to off white, fn-xln, scattered oolitic compact, some white chalky Limestone, scattered Chert.

Limestone: same, & tan dense Limestone, moderate Chert.

Shale: gray & red, some Limestone.

Limestone: same, more tan dense Limestone.

Limestone: same, with Shale: gray & red.

Shale: gray & red.

Limestone: brown dense & white, fn-xln, oolitic and chalky.

BASE KANSAS CITY 4626' (-1804')

Shale: gray dk gray green & red.

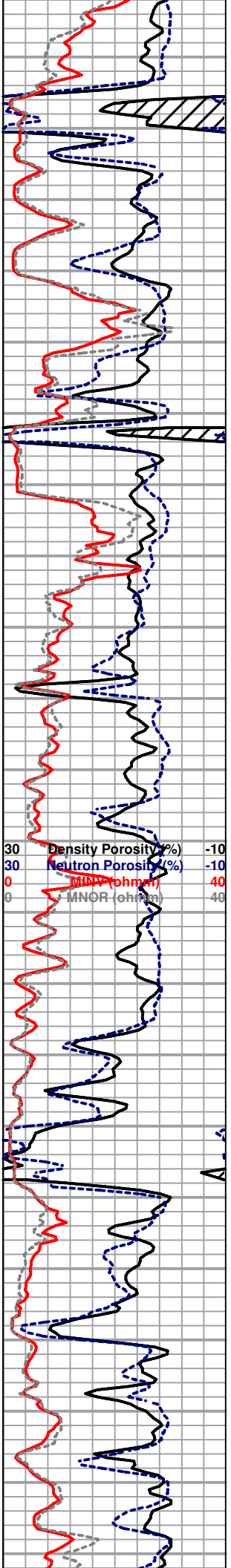
MARMATON 4648' (-1826')

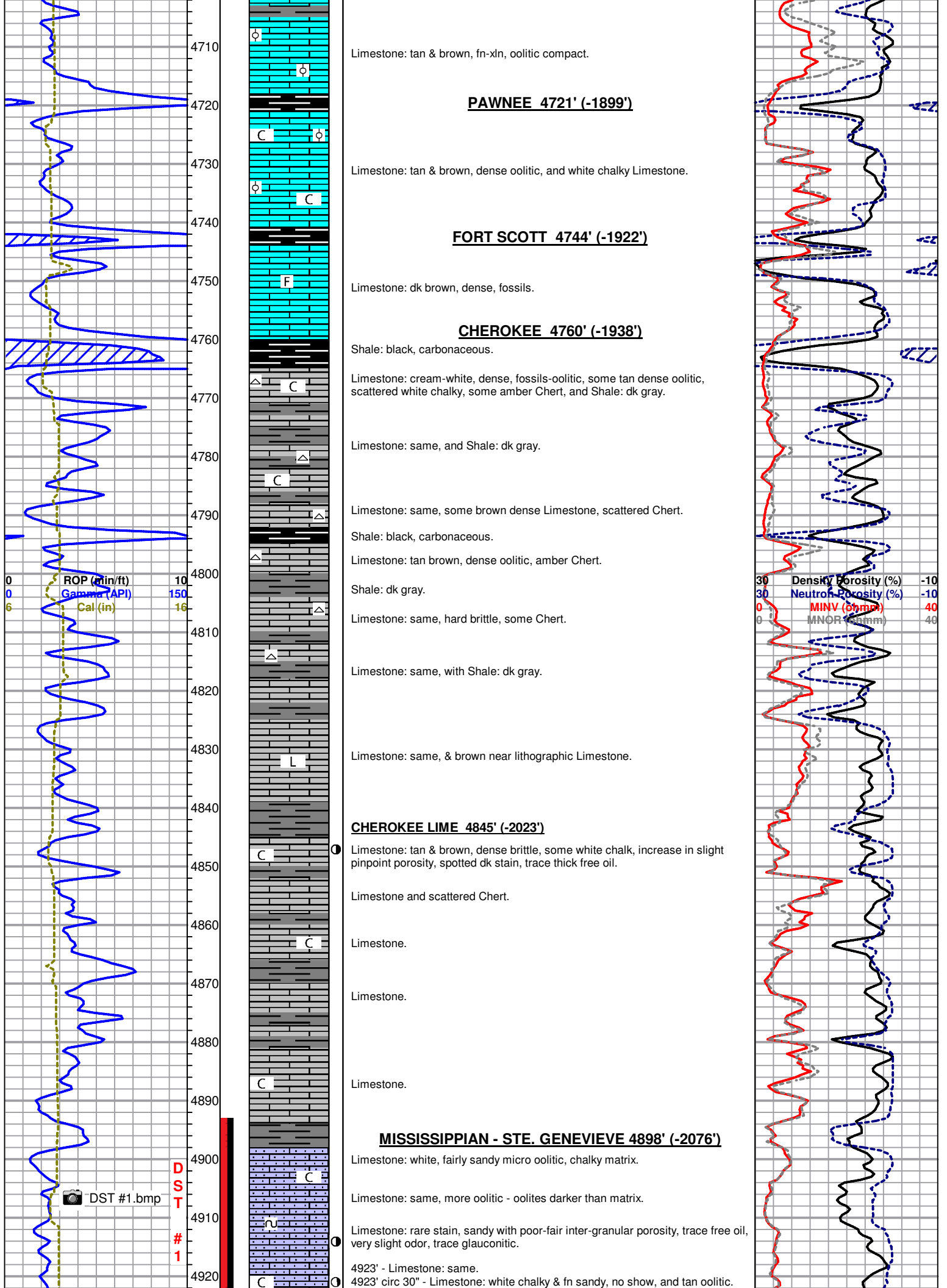
Limestone: tan & brown, dense, and white chalky Limestone.

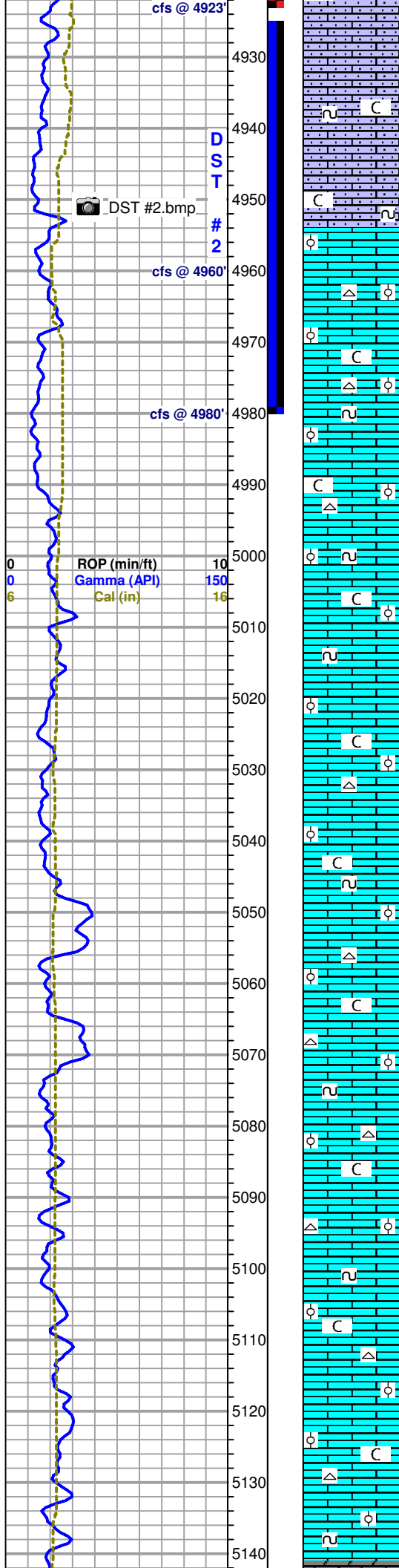
Limestone: increase brown dense & buff, oolitic compact.

Limestone: same, and tan oolitic dense Limestone.

Limestone: same, and tan oolitic dense.







4923' circ 60" - Limestone: same, trace more with stain.

Limestone: buff & tan, med size oolitic to sandy, med sand studded, some white fn sandy, chalky, some glauconitic.

Limestone: same, lots of white chalk.

Limestone: tan, med & slightly coarse oolitic, very slightly glauconitic, compact, with Chert: off white gray and pink, no visible porosity, no show.

ST. LOUIS 4954' (-2132')

4960' circ 30" - Limestone: tan, fn-med oolitic, fair interoolitic porosity, good dark stain, show free oil.

4960' circ 60" - Limestone: increase same, increase to good show free oil, spotted brown stain.

Limestone: oolitic, compact, with Chert: gray.

Limestone: off white, fn sandy to fine oolitic & tan med oolitic, coarse sand studded, dense, scattered Chert.

4980' circ 30" - Limestone: whit tan buff, fn-med oolitic, poor sand studded, very slightly glauconitic, slightly chalky matrix, scattered white Chert.

4980' circ 60"/90" - same.

Limestone: brown off white, fn-med oolitic, some sparsely med sand studded, very slightly glauconitic, oolites are darker than matrix, some white chalky,

Limestone: same, matrix chalky in part.

Limestone: same.

Limestone: same.

Limestone: same, trace Chert.

Limestone: same, and streaks fine sandy Limestone.

Limestone: same, matrix more chalky, slight increase in Chert.

Limestone: same, moderate chalky matrix, moderate Chert.

Limestone: same.

Limestone: same, rate dense tan Limestone, scattered Chert.

Limestone: lot of brown & tan, oolitic, med oolites, some dense, scattered Chert.

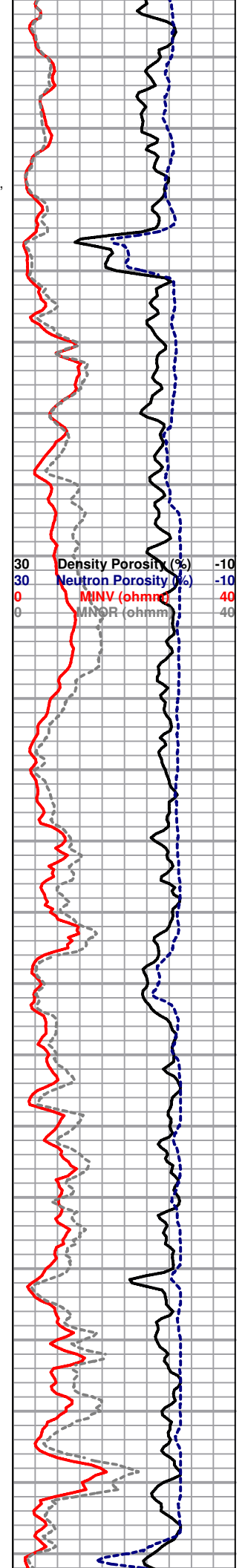
Limestone: same.

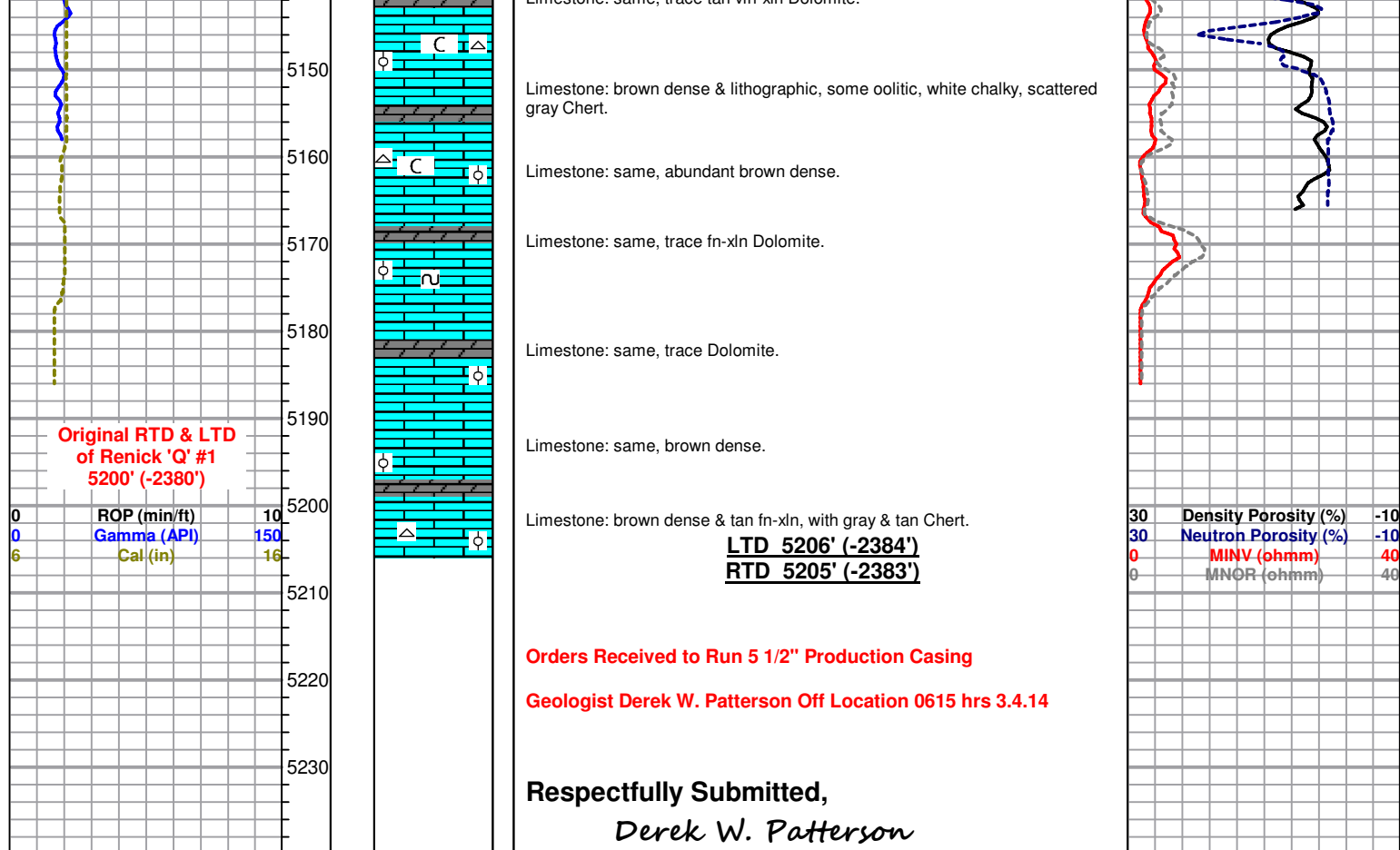
Limestone: same, with brown lithographic, scattered Chert.

Limestone: same.

Limestone: same, and white chalky Limestone, scattered Chert.

Limestone: same, trace tan vfn-xln Dolomite





FLUID SAMPLE DATA				Date 7-9-81		Ticket Number 197078	
Sampler Pressure 25 P.S.I.G. at Surface				Kind of D.S.T. OPEN HOLE		Halliburton Location LIBERAL	
Recovery: Cu. Ft. Gas .002				Tester SMITH		Witness MUELLER	
cc. Oil _____				Drilling Contractor SLAWSON DRILLING COMPANY NM			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud 2220				Formation Tested _____			
Tot. Liquid cc 2220				Elevation _____ Ft.			
Gravity _____ ° API @ _____ °F.				Net Productive Interval 4893' - 4923' - (30') Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY				Total Depth 4923' Ft.			
CHLORIDE CONTENT				Main Hole/Casing Size 7 7/8"			
Recovery Water .47 @ 78 °F. 8173.8 ppm				Drill Collar Length 433' I.D. 2.25"			
Recovery Mud _____ @ _____ °F. _____ ppm				Drill Pipe Length 4520' I.D. 3.826"			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Packer Depth(s) 4893' Ft.			
Mud Pit Sample _____ @ _____ °F. _____ ppm				Depth Tester Valve 4872' Ft.			
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm							
Mud Weight 9.2 vis 37 sec.							
TYPE CUSHION		AMOUNT NONE		Depth Back Pres. Valve NONE		Surface Choke 1/4"	
						Bottom Choke 3/4"	
Recovered 30'		Feet of drilling mud					
Recovered _____		Feet of					
Recovered _____		Feet of					
Recovered _____		Feet of					
Recovered _____		Feet of					
Remarks SEE PRODUCTION TEST DATA SHEET...							
TEMPERATURE		Gauge No. 6773		Gauge No. 6772		Gauge No. _____	
Depth: 4878' Ft.		Depth: 4920' Ft.		Depth: _____ Ft.		TIME (00:00-24:00 hrs.)	
12 Hour Clock		12 Hour Clock		Hour Clock		Tool	
Est. C-110 °F.		Blanked Off NO		Blanked Off YES		Blanked Off	
Actual °F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic -		2295.3		2263.7		2306.9	
First Period Flow Initial -		18.5		29.5		33.8	
Final -		18.5		29.5		35.2	
Closed in -		480.0		529.2		521.8	
Second Period Flow Initial -		45.7		29.5		48.5	
Final -		27.1		29.5		39.7	
Closed in -		152.8		176.5		177.9	
Third Period Flow Initial -							
Final -							
Closed in -							
Final Hydrostatic -		2268.3		2263.7		2282.4	

Legal Location
Sec. - Twp. - Rng.

19 - 25 - 29

Field Area
S.E. GARDEN

County

GRAY

State

KANSAS

RENNICK
Lease NameQ-1
Well No.1
Test No.4893' - 4923'
Tested IntervalDONALD C. SLAWSON
Lease Owner/Company Name

KANSAS

FLUID SAMPLE DATA				Date 7-9-81		Ticket Number 197079	
Sampler Pressure <u>80</u> P.S.I.G. at Surface Recovery: Cu. Ft. Gas <u>2.5</u> cc. Oil <u>1500</u> cc. Water _____ cc. Mud <u>50</u> Tot. Liquid cc. <u>1550</u> Gravity <u>28.7</u> ° API @ <u>60</u> °F. Gas/Oil Ratio _____ cu. ft./bbl.				Kind of D.S.T. <u>OPEN HOLE</u>		Halliburton Location <u>LIBERAL</u>	
				Tester <u>E. SMITH</u>		Witness _____	
				Drilling Contractor <u>SLAWSON DRILLING</u>		PW	
EQUIPMENT & HOLE DATA							
				Formation Tested <u>Mississippi</u>			
				Elevation <u>2820'</u>		Ft.	
				Net Productive Interval _____		Ft.	
				All Depths Measured From <u>Kelly Bushing</u>			
				Total Depth <u>4980'</u>		Ft.	
				Main Hole/Casing Size <u>7 7/8"</u>			
				Drill Collar Length <u>433'</u>		I.D. <u>2.25"</u>	
				Drill Pipe Length <u>4460'</u>		I.D. <u>3.826"</u>	
				Packer Depth(s) <u>4925'</u>		Ft.	
				Depth Tester Valve <u>4905'</u>		Ft.	
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke	
Cushion				Ft.		1/4" Bottom Choke 3/4"	
Recovered		414 Feet of gas					
Recovered		144 Feet of oil and gas cut mud.					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks - SEE PRODUCTION TEST DATA SHEET -							
TEMPERATURE		Gauge No. 6773		Gauge No. 6772		Gauge No.	
		Depth: 4910 Ft.		Depth: 4977 Ft.		Depth: Ft.	
		12 Hour Clock		12 Hour Clock		Hour Clock	
Est. °F.		Blanked Off No		Blanked Off Yes		Blanked Off	
Actual °F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		2283.8		2263.7		2318.3	
First Period Flow Initial		9.6		29.5		42.8	
Final		31.7		58.9		69.3	
Closed in		1005.8		1024.6		1055.5	
Second Period Flow Initial		80.6		73.6		96.0	
Final		59.7		88.3		99.3	
Closed in		806.8		820.7		856.4	
Third Period Flow Initial							
Final		* = See attached incremental reading sheet.....					
Closed in							
Final Hydrostatic		2283.8		2292.6		2318.3	

Legal Location
Sec. - Twp. - Rng.

19 - 25 - 29

Field Area
Med. From Tester ValveCounty
GRAYState
KANSAS

RENICK

Lease Name

0-1
Well No.2
Test No.4925' - 4980'
Tested IntervalDONALD C. SLAWSON
Lease Owner/Company Name