



**Natural Gas • Crude Oil
Exploration & Production**

McCOY PETROLEUM CORPORATION
Wichita, Kansas

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

Well Name: MTPRC 'A' #4-27
Location: Sec. 27 - T30S - R19W, Kiowa County, KS
License Number: API #: 15-097-21806-0000
Spud Date: August 30, 2014
Surface Coordinates: NE SE NE
1650' FNL & 330' FEL
Region: Alford South Area
Drilling Completed: September 6, 2014
Bottom Hole Coordinates:
Ground Elevation (ft): 2206' K.B. Elevation (ft): 2215'
Logged Interval (ft): 3900' To: 5225' Total Depth (ft): RTD 5225' LTD 5224'
Formation: Mississippian Warsaw
Type of Drilling Fluid: Chemical/Polymer/Gel

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: McCoy Petroleum Corporation, KCC License #5003
Address: 9342 E. Central Ave.
Wichita, KS 67206

GEOLOGIST

Name: Evan Stone
Company: McCoy Petroleum Corporation
Address: 9342 E. Central Ave.
Wichita, KS 67206

CASING & DEVIATION

Spud at 10:15 pm on 08/30/14.

Drilled 17-1/2" hole to 252'. Ran 6 joints of 48# 13-3/8" surface casing. Tallied 237', set at 248' KB. Cut Texas shoe. Strapped bottom 3 joints. Tacked collars & pins. Cemented with 350 sks 60/40 POZ; 2% Gel; 3% CC; 1/4# CF. Cement did circulate. Plug down at 4:45 am on 08/31/14. Basic Energy Svcs Cementing ticket #11235.

Drilled 12-1/4" hole to 648'. Ran 15 joints of new 23# 8-5/8" surface casing. Tallied 632'. Landed at 644' KB. Strapped guide shoe and bottom 3 joints, tacked collars on all, then welded collar on top 5 joints. Basket at 222'. Cemented with 200 sks ACON; 2% Gel, 3% CC, 1/4# CF & tailed with 200 sks: 60/40 POZ; 2% bGel, 3% CC, 1/4# CF. Cement did circulate. Plug down at 12:15 am on 09/01/14. Basic Energy Svcs Cementing ticket #11093.

Deviation Surveys Taken: @ 252' = 1.5 degrees; @ 648' = 1.5 degrees; @ 5105' = 0.5 degrees



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Mc Coy Petroleum Corporation

27-30s-19w Kiowa Co. Ks.

9342 E. Central
Wichita, Ks. 67206

MTPRC 'A' # 4-27

Job Ticket: 54142

DST#: 1

ATTN: Evan Stone

Test Start: 2014.09.06 @ 01:24:36

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 04:32:06

Time Test Ended: 12:17:06

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Matt Smith**

Unit No: **53**

Interval: **5063.00 ft (KB) To 5105.00 ft (KB) (TVD)**

Total Depth: **5105.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2215.00 ft (KB)**

2206.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: **6773**

Inside

Press@RunDepth: **82.68 psig @ 5064.00 ft (KB)**

Start Date: **2014.09.06**

End Date:

2014.09.06

Capacity: **8000.00 psig**

Last Calib.: **2014.09.06**

Start Time: **01:24:41**

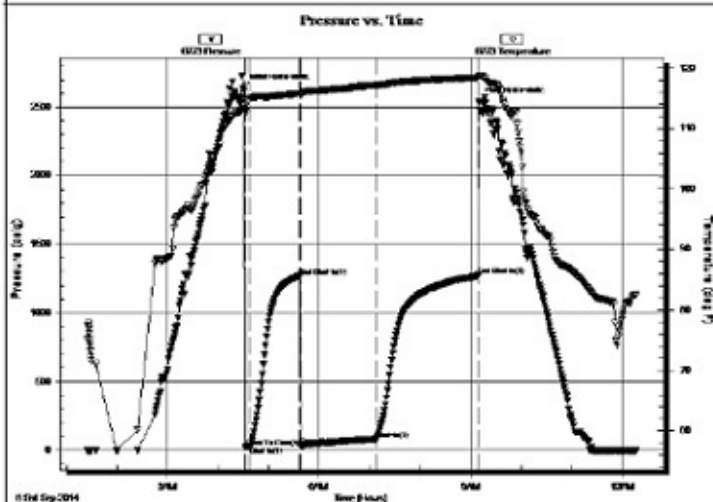
End Time:

12:17:06

Time On Btm: **2014.09.06 @ 04:29:51**

Time Off Btm: **2014.09.06 @ 09:09:51**

TEST COMMENT: IF: Fair - strong blow . Surf., - 9 1/2".
IST: No blow .
FF: Fair - strong blow . B.O.B. in 14 mins.
FSt: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2639.99	113.35	Initial Hydro-static
3	22.26	112.83	Open To Flow (1)
9	29.94	114.96	Shut-In(1)
67	1271.10	115.81	End Shut-In(1)
68	34.68	115.52	Open To Flow (2)
158	82.68	117.12	Shut-In(2)
279	1272.13	118.37	End Shut-In(2)
280	2538.04	118.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WOGCM 8%w 10%o 15%g 67%m	0.30
60.00	OGWCM 4%o 6%g 10%w 80%m	0.30
2.00	OCM 1%o 99%m	0.01
0.00	760' G.I.P. 100%g	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Serial #: 6773

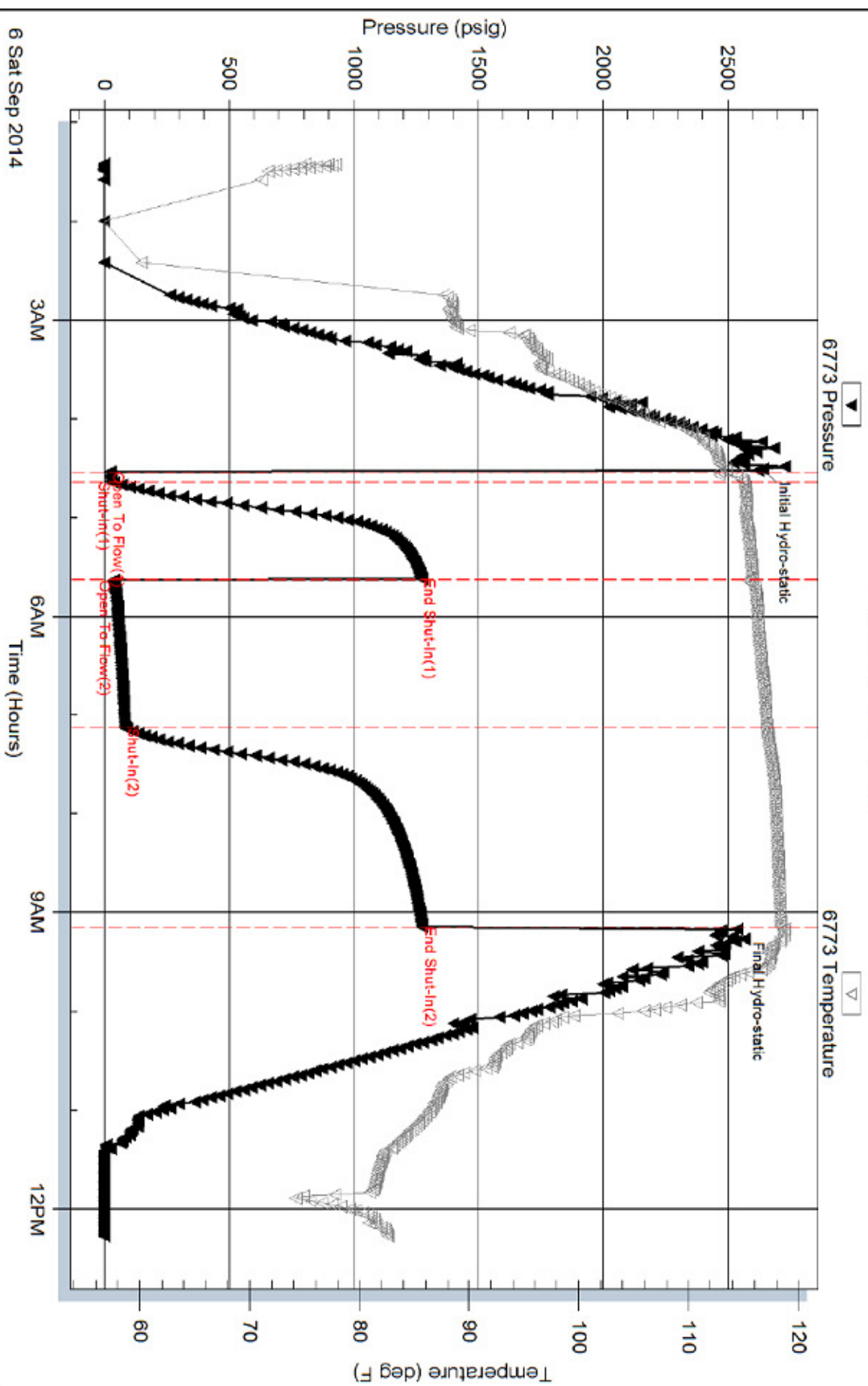
Inside

Mt Coy Petroleum Corporation

MTPRC/A' # 4-27

DST Test Number: 1

Pressure vs. Time



 Chert
 Dolomite
 Cherty dol
 Limestone
 Cherty ls
 Sandy ls
 Salt
 Shale
 Shale green

 Shale red
 Carb shale
 Siltstone
 Sandstone

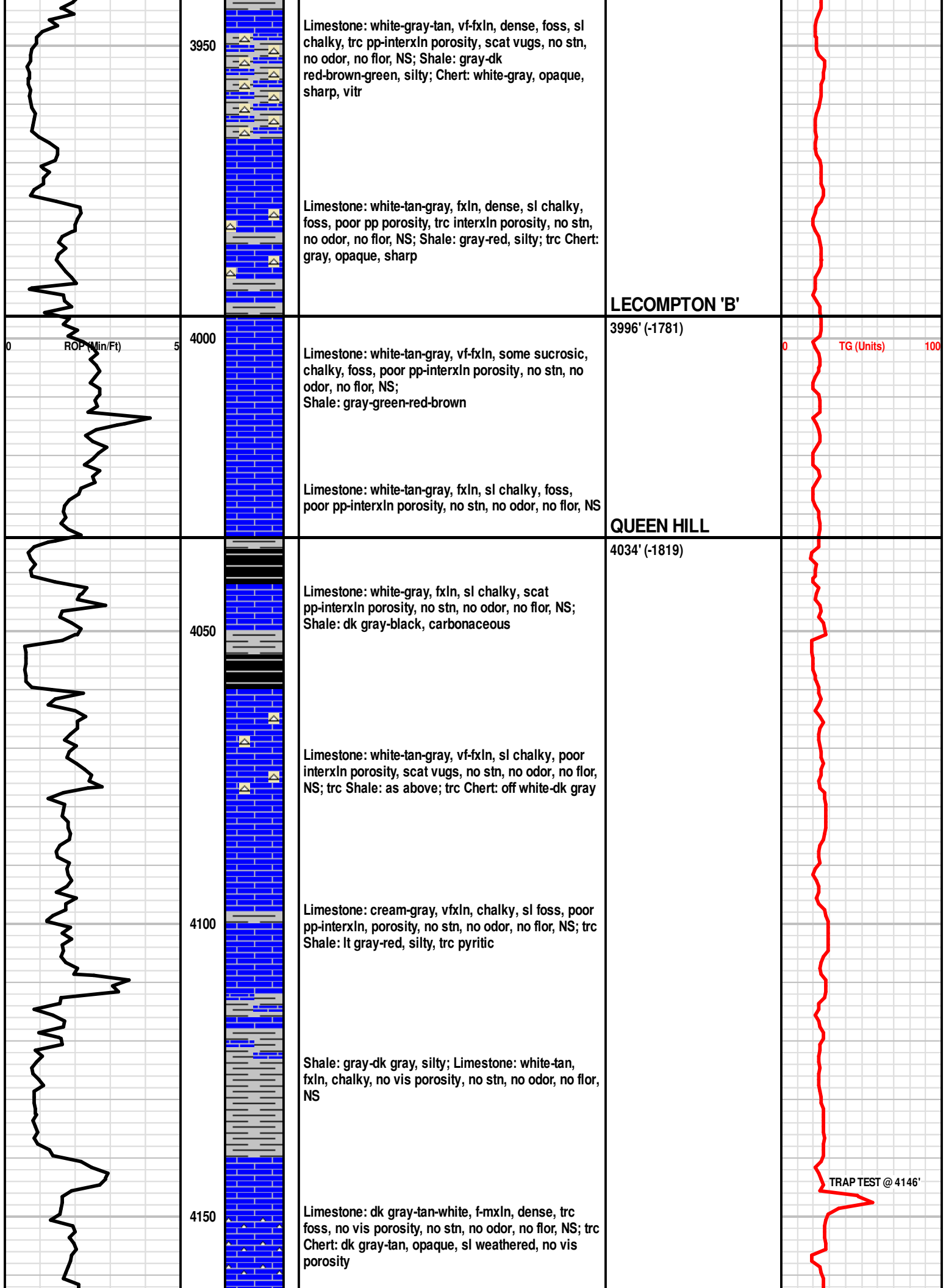
- **Calcite**
- **Chert**
- **Glaucconite**
- **Pyrite**

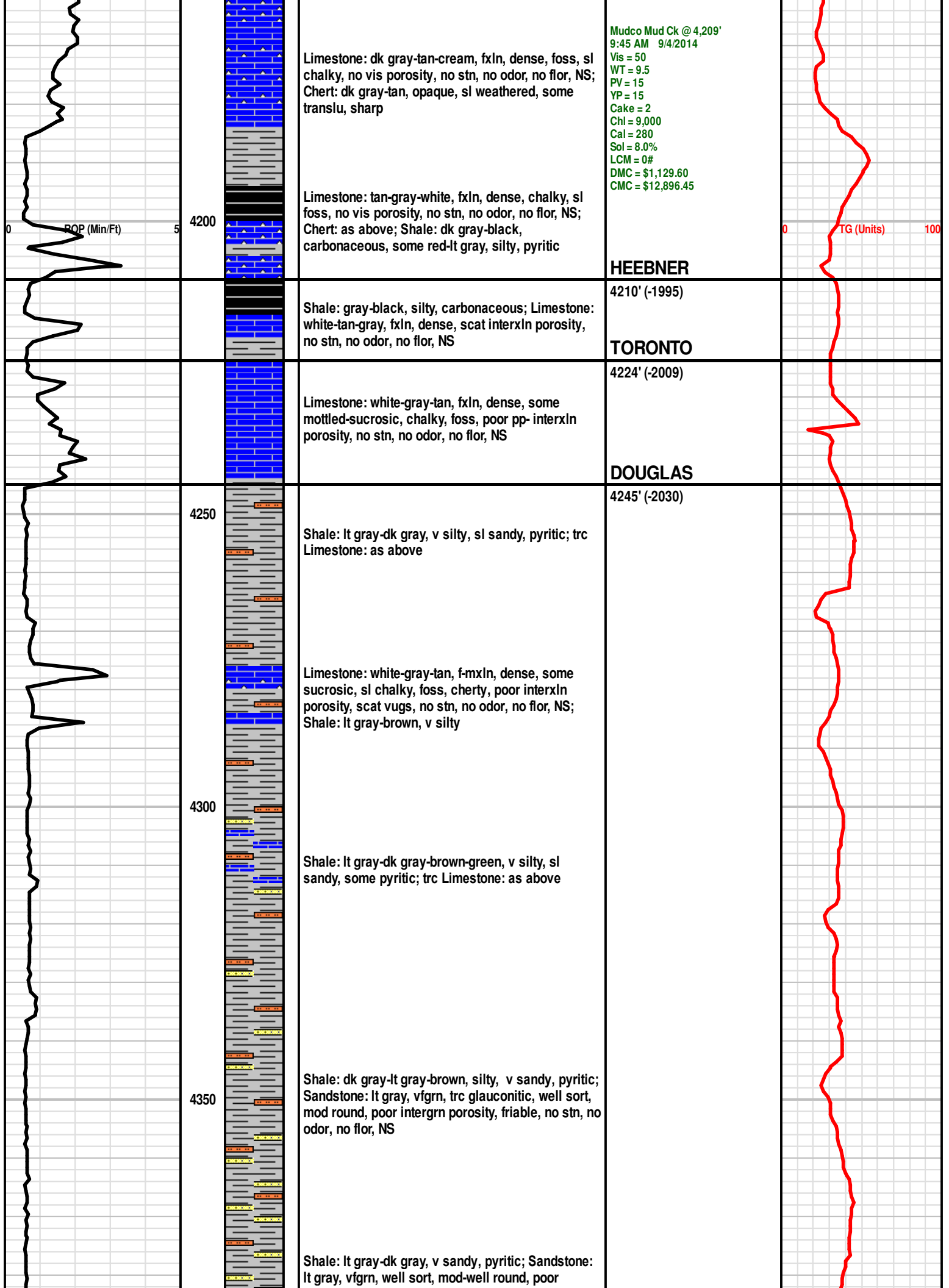
Sand
Silt

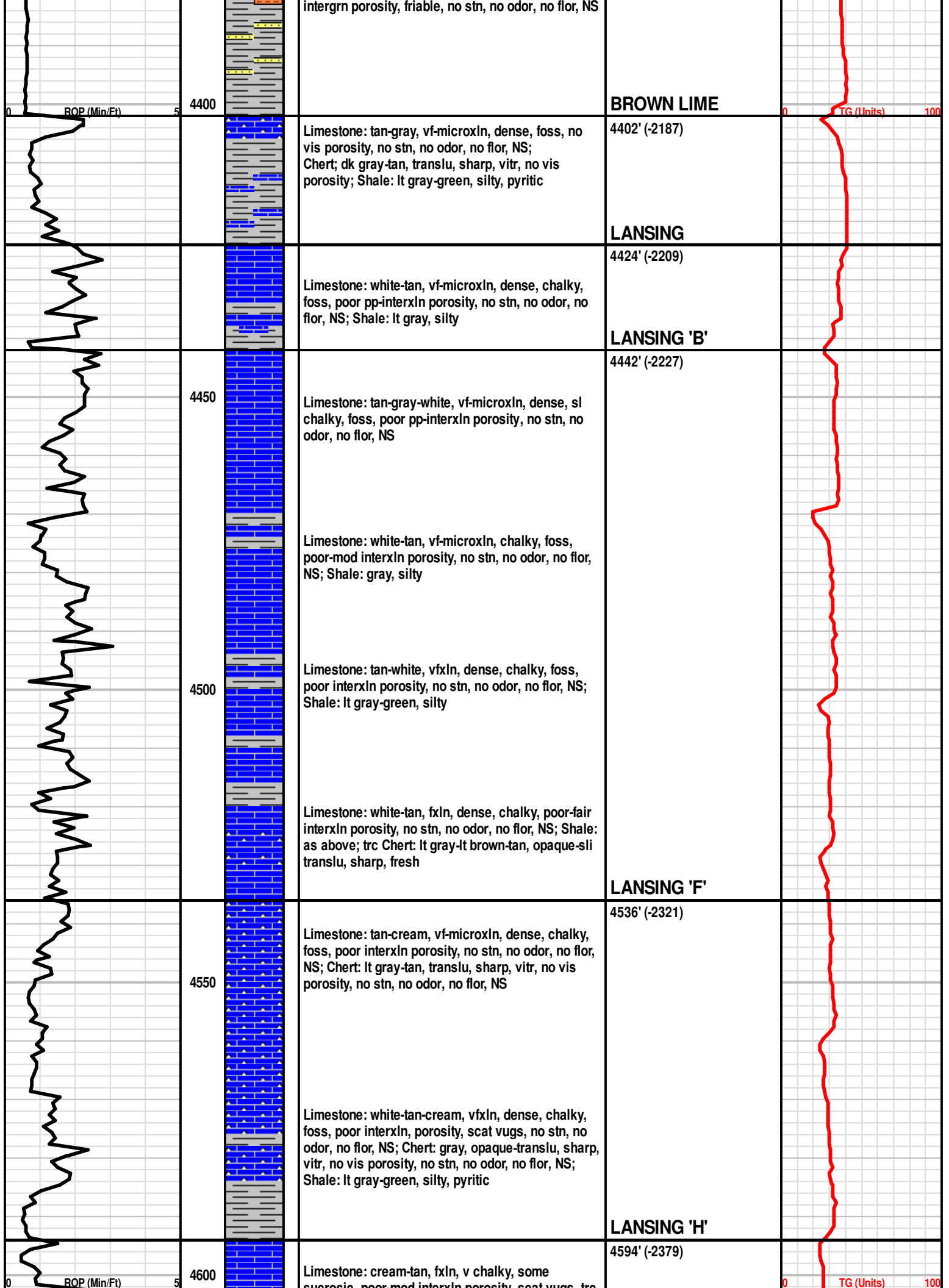
- Dolomite
- Gypsum
- Limestone
- Shale
- Siltstone
- Sandstone

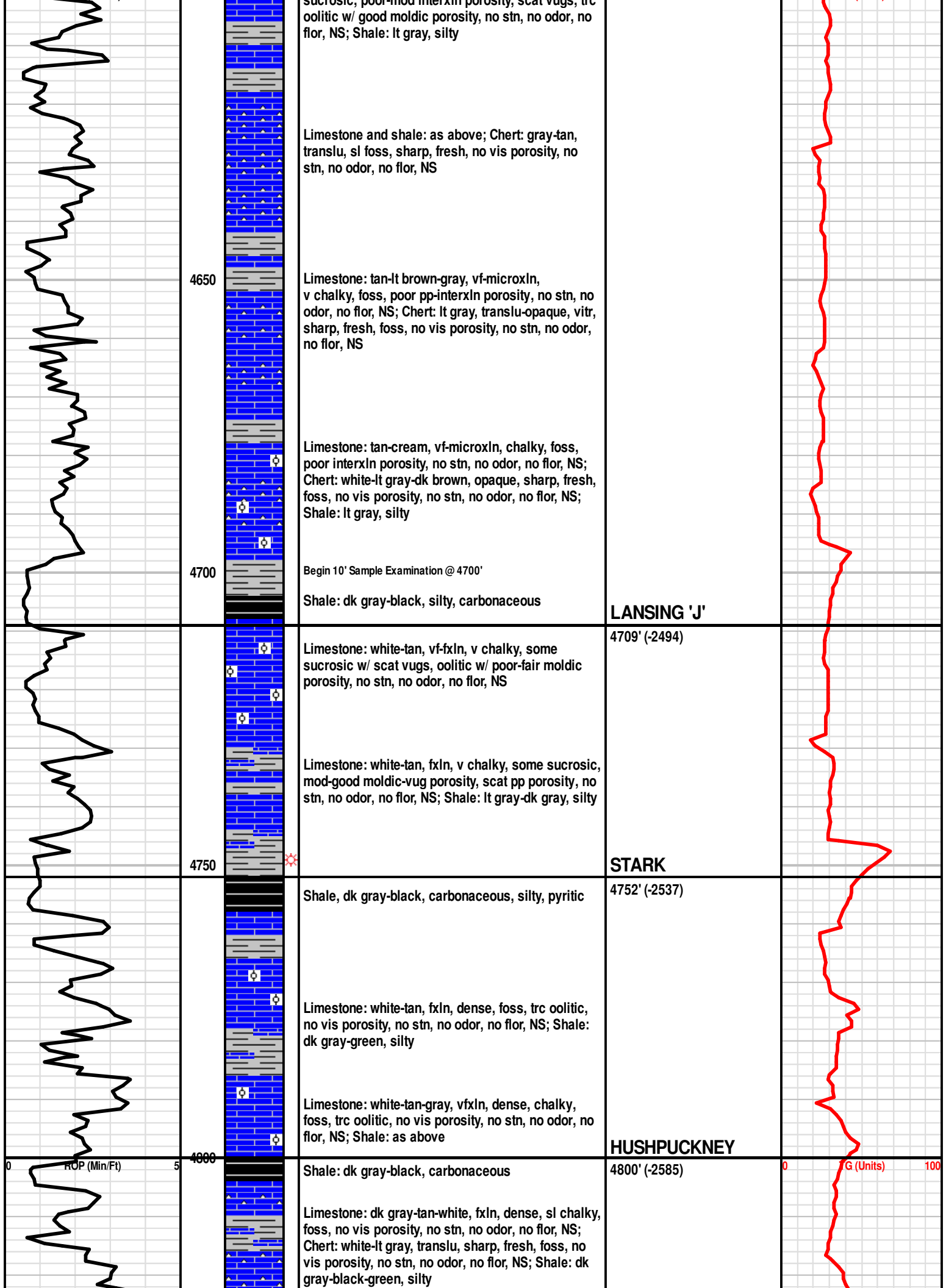
	Gas show
	Good
	Fair
	Poor
	Dead

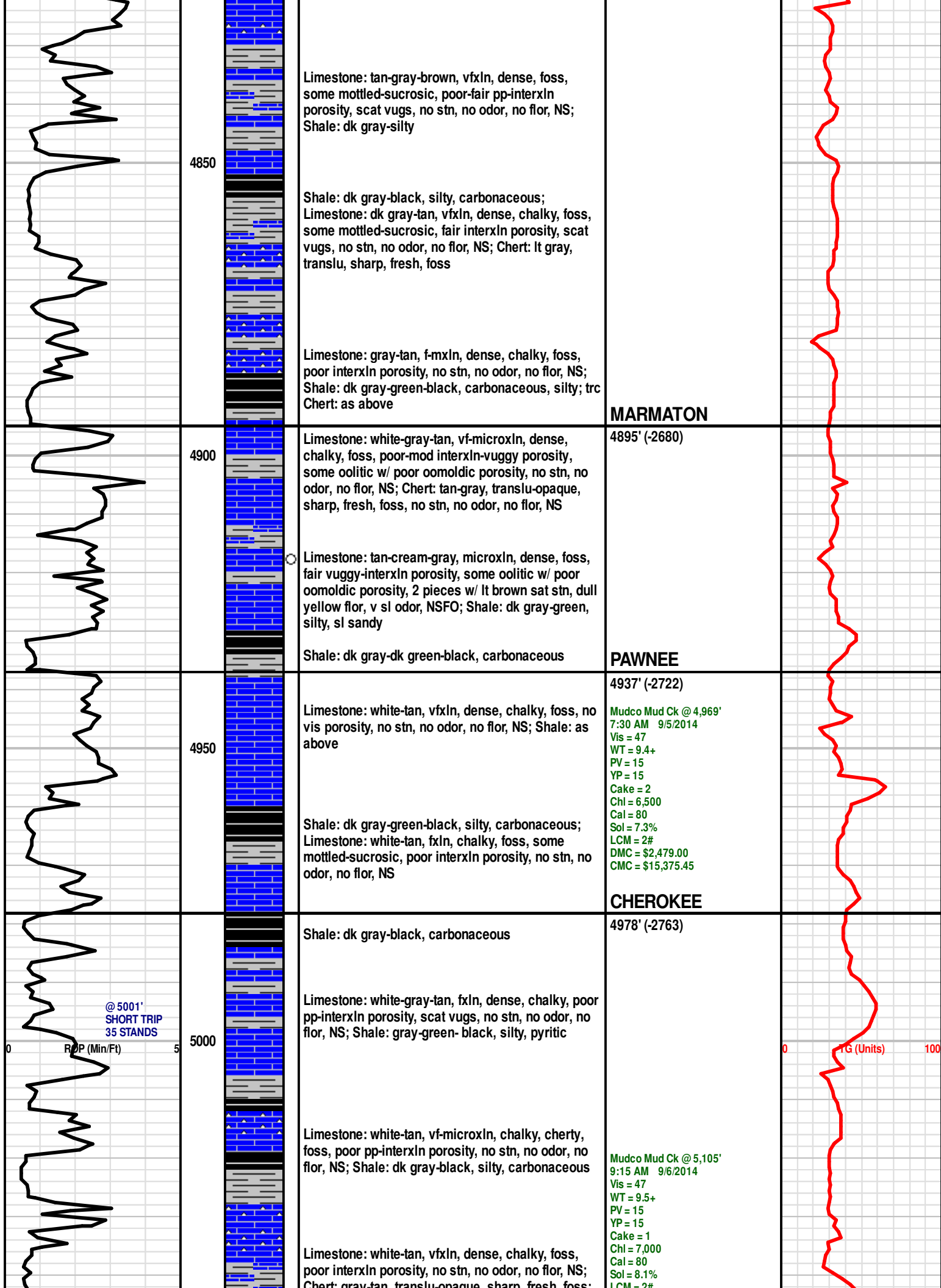
MTPRC 'A' #4-27 ROP (Min/Ft) —						TOTAL GAS TG (Units) —		
DEPTH	LITHOLOGY	OIL GAS SHOWS	SAMPLE DESCRIPTIONS	REMARKS				
0	ROP (Min/Ft)	5	3800	McCoy Petroleum Corporation		0	TG (Units)	100
				MTPRC 'A' #4-27 NE SE NE 1650' FNL & 330' FEL Sec. 27 - T30S - R19W Alford South Area Kiowa County, KS				
				API: 15-097-21806-0000				
				Sterling Drilling: Rig #4				
				Elevations: 2215' KB 2206' GL				
				Geologist: Evan Stone				
				Mud displacement @ 3545'				
				Geologist on location: 3880' at 10:00 pm on 9/3/2014				
				Begin 31' Kelly Down Sample Examination @ 3900'				
				Limestone: white-gray, vf-fxln, dense, foss, sl chalky, no vis porosity, no stn, no odor, no flor, NS; Shale: gray-dk red, silty				
				Limestone: white-cream-gray, fxln, dense, foss, sl chalky, no vis porosity, no stn, no odor, no flor, NS; Shale: gray-dk red-green				











		Chert: gray-tan, translu-opaque, sharp, fresh, loss; Shale: dk gray-green- yellow-black, carbonaceous	ECM = 2# DMC = \$2,776.95 CMC = \$18,152.40	
		Limestone: dolomitic, white-gray-tan, f-microxn, dense, chalky, foss, some mottled-sucrosic, mostly poor pp-interxn porosity, scat vugs, 3 pieces w/ fair interxn- vuggy porosity, lt brown stn, trc dead oil, v sl odor, dull yellow flor, NSFO; Chert: white-gray-green, translu-opaque, mostly sharp, fresh, some tripolitic w/ pp porosity, no stn, no odor, no flor, NS; Shale: gray-green-red-black Limestone and Chert: as above; Dolomite: white-gray-tan, fxln, dense, poor interxn porosity, mod vugs, scat lt brn dead oil stn, no odor, dull flor, NSFO	MISSISSIPPIAN 5053' (-2838)	
		20" CFS (5105') Dolomite: white-tan-lt gray, vf-fxln, sl chalky, sucrosic, poor-fair vuggy-interxn porosity, scat lt brown stn, dull yellow flor, SSFO 40" CFS (5105') Dolomite: white-tan, fxln, chalky, sucrosic, fair-good vuggy-interxn porosity, scat lt brown stn, fair odor, mod flor, SSFO 60" CFS (5105') Dolomite: white-tan, fxln, chalky, sucrosic, fair-good interxn porosity, scat vugs, spot lt brown stn, v faint odor, poor-mod flor, NSFO Dolomite: white-tan-dk gray, f-mxln, chalky, sucrosic, fair-good interxn porosity, trc glauc, no stn, no odor, no flor, NS; Shale: dk gray, silty	SPERGEN Ø 5089' (-2874)	
		Dolomite: white-tan-gray, fxln, dense, chalky, sucrosic, poor-fair pp-interxn porosity, scat dead oil stn, no odor, no flor, NS; Shale: lt gray-dk gray-green-red; trc Chert: white-gray, translu, sharp, vitr, foss Dolomite: lt gray-tan-white, f-mxln, chalky, sucrosic, poor-fair pp-interxn porosity, glauc, no stn, no odor, no flor, NS; Shale: lt gray-green, silty Dolomite: gray-tan, fxln, chalky, cherty, dense, sucrosic, fair-good interxn porosity, glauc, no stn, no odor, no flor, NS; Shale: lt gray-dk gray- red, silty Dolomite: dk gray, fxln, cherty, glauc, dense, poor pp-interxn porosity, no stn, no odor, no flor, NS; Shale: lt gray-dk gray-green-red, silty Dolomite: dk gray, f-mxln, cherty, glauc, dense, poor pp-interxn porosity, no stn, no odor, no flor, NS; Shale: lt gray-dk gray-green-red, silty	WARSAW 5123' (-2908) DST #1 5063' - 5105' 5 - 60 - 90 - 120 IF = Built to 9-1/2" FF = BOB 14 min REC: 760' GIP 2' OCM (1% O) 60' OGWCM (4% O, 6% G, 10% W) 60' WOGCM (8% W, 10% O, 15% G) PRESSURES: IH = 2640# FH = 2538# IF = 22-30# FF = 35-83# ISIP = 1271# FSIP = 1272# RTD @ 5225' (-3010) LTD @ 5224' (-3009) Electric Logs Run: By Pioneer Energy Services Dual Induction, Dual Compensated Porosity, Microlog Geologist left location @ 7:30 AM on 9/7/2014	