Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1232496

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5003
Name: McCoy Petroleum Corporation
Address 1: 9342 E CENTRAL
Address 2:
City: WICHITA State: KS Zip: 67206 + 2573
Contact Person: Scott Hampel
Phone: (316) 636-2737
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Zach Wiele
Purchaser: None

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

10/21/2014	10/28/2014	11/3/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-097-21810-00-00
Spot Description: W2 NE SE
_ W2 _ NE _ SE Sec. 25 Twp. 30 S. R. 19 ☐ East ☑ West
1980 Feet from ☐ North / ☑ South Line of Section
990 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Kiowa
Lease Name: HWY "A" Well #: #1-25
Field Name: Alford
Producing Formation: None: Lost Hole
Elevation: Ground: 2232 Kelly Bushing: 2241
Total Vertical Depth: 5121 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 643 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 45000 ppm Fluid volume: 1800 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Toto Energy, LLC
Lease Name: McCLAREN #2 SWDW License #: 34886
Quarter SE Sec. 5 Twp. 30 S. R. 18 ☐ East ☑ West
County: Kiowa Permit #: D-31141

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 11/19/2014
☑ **Confidential Release Date:** 11/21/2016
☐ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 11/24/2014

[redacted] 1232496

Operator Name: McCoy Petroleum Corporation Lease Name: HWY "A" Well #: #1-25

Sec. 25 Twp. 30 S. R. 19 ☐ East ☑ West County: Kiowa

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

See Attached

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	48	252	60/40 Pozmix	350	2%Gel, 3%CC, 1/4#/sx CF
Surface	12.25	8.625	23	643	A-Conn / 60/40 Pozmix	400	2$Gel, 3%CC, 1/4#/sx CF

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL: None: Lost Hole

Form	ACO1 - Well Completion
Operator	McCoy Petroleum Corporation
Well Name	HWY "A" #1-25
Doc ID	1232496

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	48	252	60/40 Pozmix	350	2%Gel, 3%CC, 1/4#/sx CF
Surface	12.25	8.625	23	643	A-Conn / 60/40 Pozmix	400	2$Gel, 3%CC, 1/4#/sx CF

HWY “A” #1-25 ACO-1 Supplemental Information
API#: 15-097-21810-0000

SAMPLE TOPS
McCoy Petroleum Corp.
HWY 'A' #1-25
W2 NE SE
1980'FSL & 990'FEL
Sec 25-30s-19w
KB: 2241’

	Depth	Datum
LaCompton B	4032	-1791
Queen Hill	4078	-1837
Heebner	4254	-2013
Toronto	4274	-2033
Douglas	4334	-2093
Brown Lime	4428	-2187
Lansing	4452	-2211
Lansing B	4474	-2233
Lansing F	4571	-2330
Lansing H	4625	-2384
Lansing J	4732	-2491
Stark	4779	-2538
Hushpuckney	4830	-2589
Marmaton	4920	-2679
Pawnee	4970	-2729
Cherokee	5012	-2771
Miss.	5082	-2841
Spergen Pors.	5102	-2861
Warsaw DNP		
RTD	5121	

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

HWY 'A' #1-25

25-30s-19w Kiowa,KS

Start Date: 2014.10.27 @ 03:21:59
End Date: 2014.10.27 @ 17:55:29
Job Ticket #: 57788 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.11 @ 09:45:03

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

25-30s-19w Kiowa,KS

HWY 'A' #1-25

Job Ticket: 57788 **DST#: 1**

Test Start: 2014.10.27 @ 03:21:59

GENERAL INFORMATION:

Formation: **Marmaton 'B'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:02:14
Time Test Ended: 17:55:29

Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 53

Interval: 4905.00 ft (KB) To 4956.00 ft (KB) (TVD)
Total Depth: 4956.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

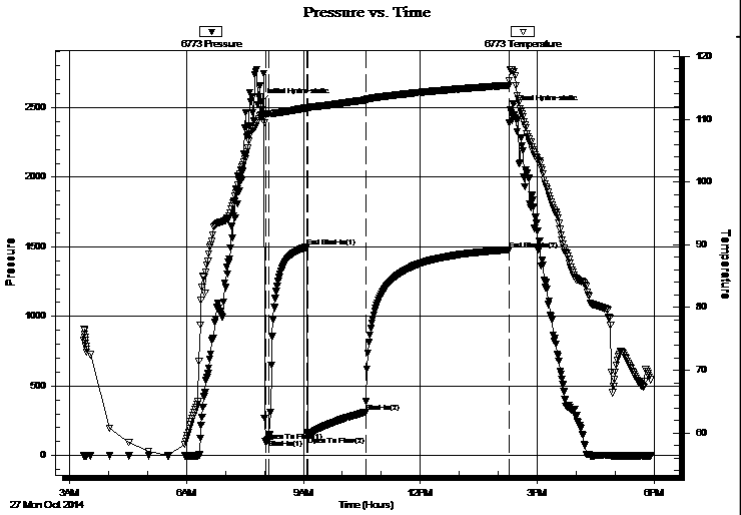
Reference Elevations: 2241.00 ft (KB)
2232.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6773 **Inside**

Press@RunDepth: 312.16 psig @ 4906.00 ft (KB)
Start Date: 2014.10.27 End Date: 2014.10.27
Start Time: 03:22:04 End Time: 17:55:29

Capacity: 8000.00 psig
Last Calib.: 2014.10.27
Time On Btm: 2014.10.27 @ 07:54:14
Time Off Btm: 2014.10.27 @ 14:18:14

TEST COMMENT: IF: Fair - strong blow . B.O.B. in 1 1/2 mins.
ISI: Weak blow . Bleed off in 5 mins. 2 mins., Surf., - 1/4".
FF: Fair - strong blow . B.O.B. in 5 mins.
FSI: Weak blow . Bleed off 3 mins. 3 mins, Surf., - 2 1/2". 67 mins in died back to 1 1/2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2539.18	110.69	Initial Hydro-static
8	99.39	110.75	Open To Flow (1)
13	119.10	110.86	Shut-In(1)
72	1499.15	111.81	End Shut-In(1)
73	141.62	111.74	Open To Flow (2)
162	312.16	113.06	Shut-In(2)
382	1478.15	115.40	End Shut-In(2)
384	2486.68	117.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMOCW 1%g 3%m 4%o 92%w	0.30
342.00	Slt OGMCW 2%g 5%m 93%w	3.37
128.00	OWGCM 13%o 20%w 27%g 40%m	1.80
106.00	GOWCM 5%g 20%o 25%w 50%m	1.49
0.00	1,142' G.I.P. 100%g	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

25-30s-19w Kiowa,KS

HWY 'A' #1-25

Job Ticket: 57788 **DST#: 1**

Test Start: 2014.10.27 @ 03:21:59

GENERAL INFORMATION:

Formation: **Marmaton 'B'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:02:14
Time Test Ended: 17:55:29

Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 53

Interval: 4905.00 ft (KB) To 4956.00 ft (KB) (TVD)
Total Depth: 4956.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

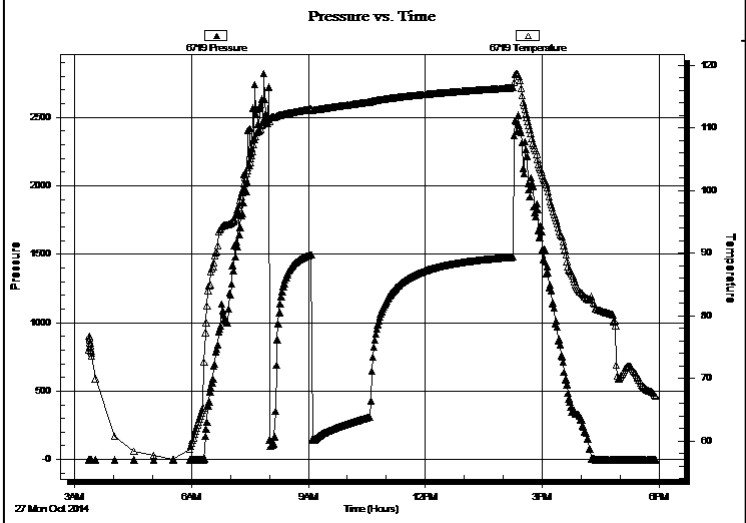
Reference Elevations: 2241.00 ft (KB)
2232.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6719 **Outside**

Press@RunDepth: psig @ 4906.00 ft (KB)
Start Date: 2014.10.27 End Date: 2014.10.27
Start Time: 03:22:01 End Time: 17:55:11

Capacity: 8000.00 psig
Last Calib.: 2014.10.27
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Fair - strong blow . B.O.B. in 1 1/2 mins.
ISI: Weak blow . Bleed off in 5 mins. 2 mins., Surf., - 1/4".
FF: Fair - strong blow . B.O.B. in 5 mins.
FSI: Weak blow . Bleed off 3 mins. 3 mins, Surf., - 2 1/2". 67 mins in died back to 1 1/2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMOCW 1%g 3%m 4%o 92%w	0.30
342.00	Slt OGMCW 2%g 5%m 93%w	3.37
128.00	OWGCM 13%o 20%w 27%g 40%m	1.80
106.00	GOWCM 5%g 20%o 25%w 50%m	1.49
0.00	1,142' G.I.P. 100%g	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

25-30s-19w Kiowa,KS

HWY 'A' #1-25

Job Ticket: 57788 **DST#: 1**

Test Start: 2014.10.27 @ 03:21:59

Tool Information

Drill Pipe:	Length:	4685.00 ft	Diameter:	3.80 inches	Volume:	65.72 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	217.00 ft	Diameter:	2.25 inches	Volume:	1.07 bbl	
					Total Volume:	66.79 bbl	

Drill Pipe Above KB:	25.00 ft
Depth to Top Packer:	4905.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	51.00 ft
Tool Length:	79.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2400.00 lb
Weight set on Packer:		23000.00 lb
Weight to Pull Loose:		85000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	78000.00 lb
	Final	80000.00 lb

Tool Comments: Stuck w alled, pulled loose at 191,000 popped loose and pulled 85000.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4878.00		
Shut In Tool	5.00			4883.00		
Hydraulic tool	5.00			4888.00		
Jars	5.00			4893.00		
Safety Joint	3.00			4896.00		
Packer	4.00			4900.00	28.00	Bottom Of Top Packer
Packer	5.00			4905.00		
Stubb	1.00			4906.00		
Recorder	0.00	6719	Outside	4906.00		
Recorder	0.00	6773	Inside	4906.00		
Perforations	1.00			4907.00		
Change Over Sub	1.00			4908.00		
Blank Spacing	32.00			4940.00		
Change Over Sub	1.00			4941.00		
Perforations	12.00			4953.00		
Bullnose	3.00			4956.00	51.00	Bottom Packers & Anchor
Total Tool Length:	**79.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

25-30s-19w Kiowa,KS

HWY 'A' #1-25

Job Ticket: 57788 **DST#: 1**

Test Start: 2014.10.27 @ 03:21:59

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	42000 ppm
Viscosity:	42.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	13.35 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GMOCW 1%g 3%m 4%o 92%w	0.295
342.00	Slt OGMCW 2%g 5%m 93%w	3.367
128.00	OWGCM 13%o 20%w 27%g 40%m	1.796
106.00	GOWCM 5%g 20%o 25%w 50%m	1.487
0.00	1,142' G.I.P. 100%g	0.000

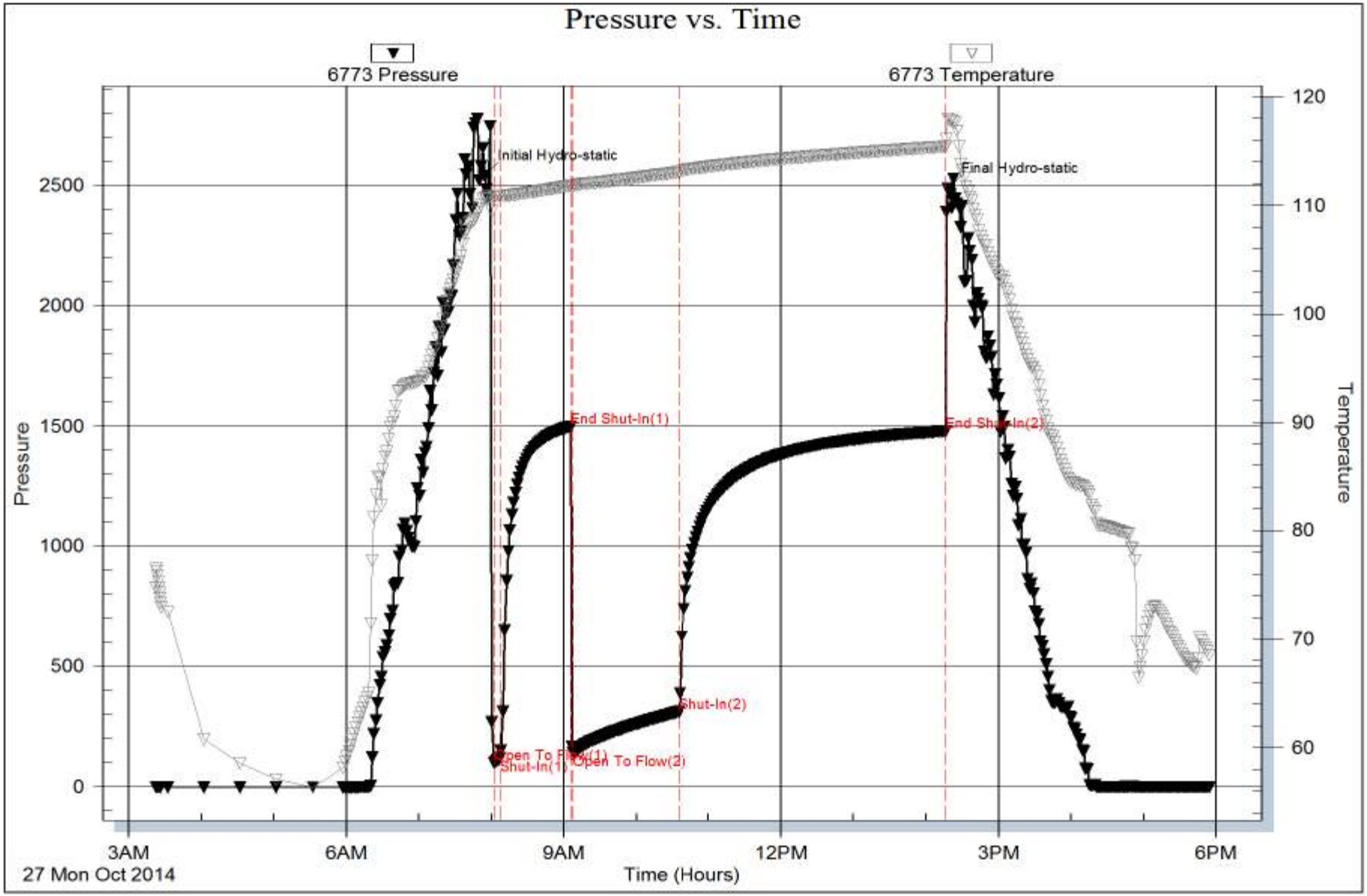
Total Length: 636.00 ft Total Volume: 6.945 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

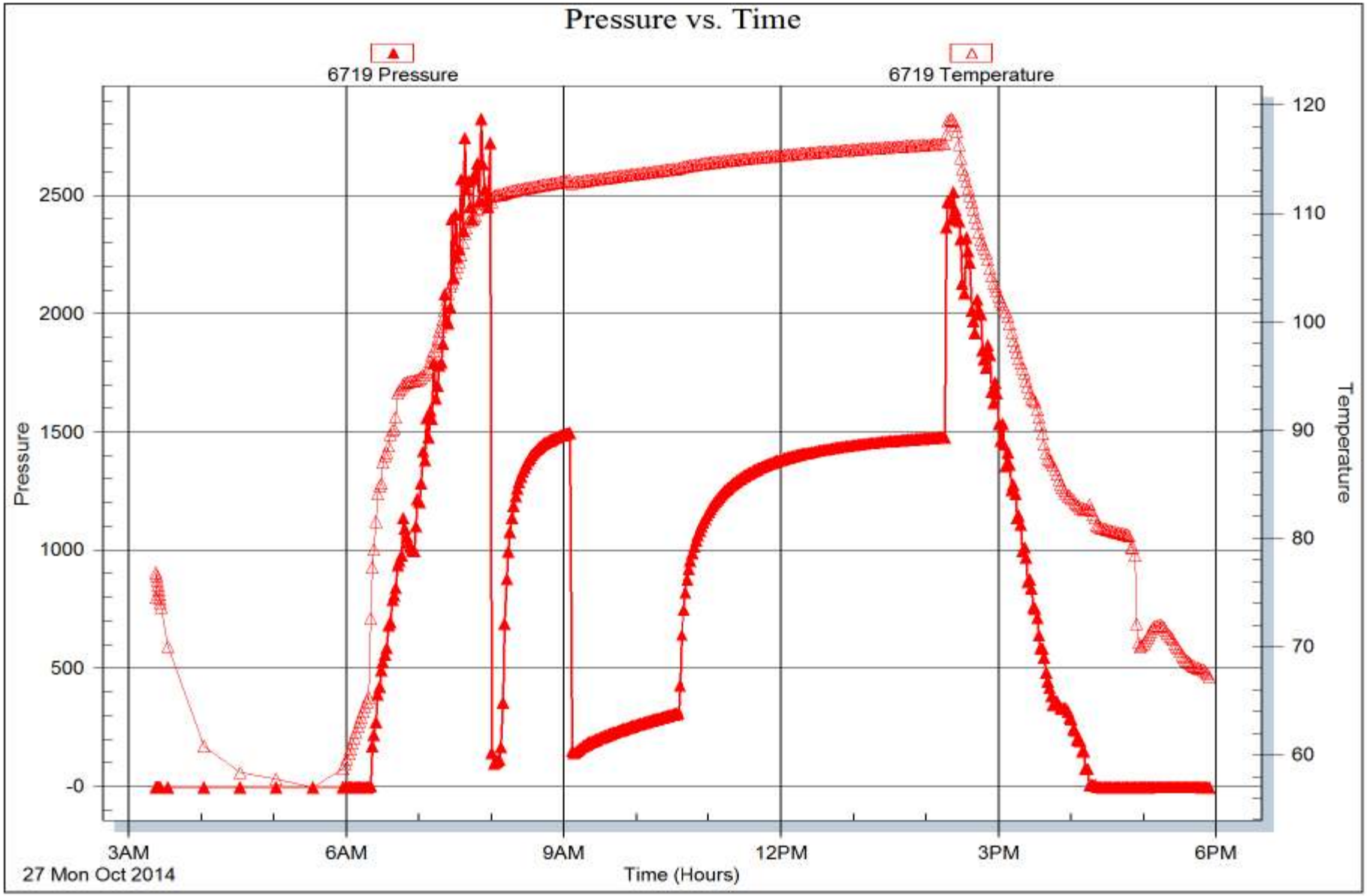
Recovery Comments: API RW .18 @ 68 = 42000 chlorides.

Serial #: 6773 **Inside** McCoy Petroleum Corporation HWY 'A' #1-25 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 57788 Printed: 2014.11.11 @ 09:45:04

Serial #: 6719 **Outside** McCoy Petroleum Corporation HWY 'A' #1-25 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 57788 Printed: 2014.11.11 @ 09:45:04

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

HWY 'A' #1-25

25-30s-19w Kiowa,KS

Start Date: 2014.10.28 @ 06:05:59
End Date: 2014.10.28 @ 00:00:00
Job Ticket #: 57789 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.11 @ 09:43:40

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

25-30s-19w Kiowa,KS

HWY 'A' #1-25

Job Ticket: 57789 **DST#: 2**

Test Start: 2014.10.28 @ 06:05:59

GENERAL INFORMATION:

Formation: **Spergen O**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 53

Interval: 5090.00 ft (KB) To 5121.00 ft (KB) (TVD)
Total Depth: 5121.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

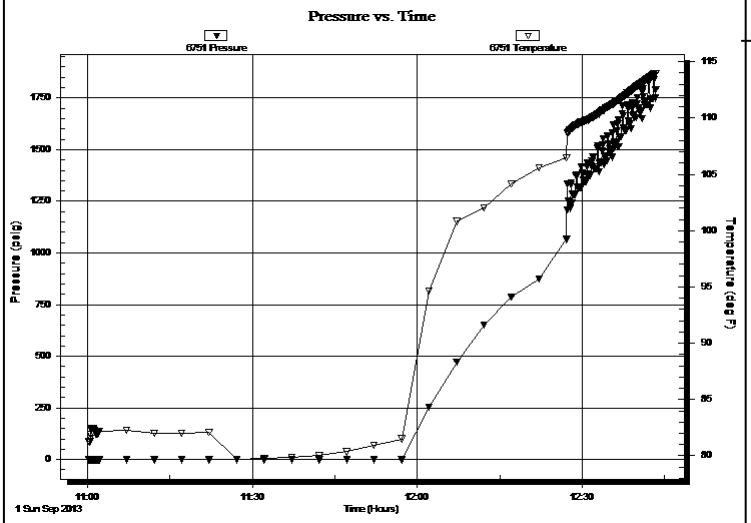
Reference Elevations: 2241.00 ft (KB)
2232.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6751

Press@RunDepth: psig @ ft (KB)
Start Date: 2013.09.01 End Date: 2013.09.01
Start Time: 11:00:13 End Time: 12:43:20

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 1- min.
ISI: No blow .
FF: Strong blow . Immediate B.O.B. , G.T.S. in 68 mins., T.S.T.M.
FSI: Weak blow . Surf., - 1/4". Blow started after 12 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
210.00	GCM w /slt O&W 1%g 99%m	1.03
667.00	GCM w / slt O&W 1%g 99%m	9.29
1461.00	GWCM w /slt O 5%g 5%w 90%m	20.49
254.00	OGCM 1%o 9%g 90%m	3.56
317.00	OGCM 3%o 27%g 70%m	4.45
40.00	GOCM 7%g 8%o 85%m	0.56

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

25-30s-19w Kiowa,KS

HWY 'A' #1-25

Job Ticket: 57789 **DST#: 2**

Test Start: 2014.10.28 @ 06:05:59

Tool Information

Drill Pipe:	Length:	4877.00 ft	Diameter:	3.80 inches	Volume:	68.41 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	217.00 ft	Diameter:	2.25 inches	Volume:	1.07 bbl	
					Total Volume:	69.48 bbl	

Drill Pipe Above KB:	32.00 ft
Depth to Top Packer:	5090.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	31.00 ft
Tool Length:	59.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2400.00 lb
Weight set on Packer:		22000.00 lb
Weight to Pull Loose:		179000.0 lb
Tool Chased		3.00 ft
String Weight:	Initial	80000.00 lb
	Final	100000.0 lb

Tool Comments: Strap is 3.19 ft short to board. Slid 3 ft on 1st flow . 16.5 w ater loss . Tool stuck in hole.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			5063.00		
Shut In Tool	5.00			5068.00		
Hydraulic tool	5.00			5073.00		
Jars	5.00			5078.00		
Safety Joint	3.00			5081.00		
Packer	4.00			5085.00	28.00	Bottom Of Top Packer
Packer	5.00			5090.00		
Stubb	1.00			5091.00		
Recorder	0.00	6719	Outside	5091.00		
Recorder	0.00	6773	Inside	5091.00		
Perforations	27.00			5118.00		
Bullnose	3.00			5121.00	31.00	Bottom Packers & Anchor
Total Tool Length:	**59.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

25-30s-19w Kiowa,KS

HWY 'A' #1-25

Job Ticket: 57789 **DST#: 2**

Test Start: 2014.10.28 @ 06:05:59

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	8000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.44 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	GCM w /slt O&W 1%g 99%m	1.033
667.00	GCM w / slt O&W 1%g 99%m	9.292
1461.00	GWCM w /slt O 5%g 5%w 90%m	20.494
254.00	OGCM 1%o 9%g 90%m	3.563
317.00	OGCM 3%o 27%g 70%m	4.447
40.00	GOCM 7%g 8%o 85%m	0.561
0.00	G.T.S. T.S.T.M.	0.000

Total Length: 2949.00 ft Total Volume: 39.390 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: MAS PRATT

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 57788

Well Name & No. HWY 'A' 1-25 Test No. 1 Date 10/27/14

Company McCoy Petroleum Corporation Elevation 2241 KB 2232 GL

Address 9342 E. Central Wichita, KS. 67206

Co. Rep / Geo. Zach Wiele Rig Sterling Rig #4

Location: Sec. 25 Twp. 30s Rge. 19w Co. Kiowa State KS.

Interval Tested 4905 - 4956 Zone Tested Marmaton "B"

Anchor Length 51' Drill Pipe Run 4685' Mud Wt. 9.4

Top Packer Depth 4900 Drill Collars Run 217' Vis 42

Bottom Packer Depth 4905 Wt. Pipe Run 0 WL 13.4

Total Depth 4956 Chlorides 7000 ppm System LCM 0#

Blow Description IF: Fair - Strong blow. B.O.B in 1½ mins.

ISI: Weak blow. Bleed off in 5 mins., 2 mins. surf., - ¼".

FF: Fair - Strong blow. B.O.B in 5 mins.

FSI: Weak blow. Bleed off 3 mins. 3mins Surf., - 2½. 67 mins in died back to 1½".

Rec 1,142	Feet of G.I.P.	100 %gas	%oil	%water	%mud
Rec 106	Feet of GOWCM	5 %gas	20 %oil	25 %water	50 %mud
Rec 128	Feet of OWGCM	27 %gas	13 %oil	20 %water	40 %mud
Rec 342'	Feet of Slt OGMCW	2 %gas	%oil	93 %water	5 %mud
Rec 60'	Feet of GMOCW	1 %gas	4 %oil	92 %water	3 %mud

Rec Total 636' BHT 115° Gravity N.A API RW .18 @ 68 °F Chlorides 42000 ppm

(A) Initial Hydrostatic	2539	☑ Test	1250	T-On Location	0230
(B) First Initial Flow	99	☑ Jars	250	T-Started	0322
(C) First Final Flow	119	☑ Safety Joint	75	T-Open	0802
(D) Initial Shut-In	1499	☐ Circ Sub		T-Pulled	1418
(E) Second Initial Flow	142	☑ Hourly Standby	4.5h 450	T-Out	1755
(F) Second Final Flow	312	☑ Mileage	(104) 161.20	Comments	Suppose to be on Bot @ 3:30-4:00A.M. Over test Time.
(G) Final Shut-In	1478	☐ Sampler			
(H) Final Hydrostatic	2487	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	5	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	60	☐ Extra Recorder		Sub Total	0
Final Flow	90	☐ Day Standby		Total	2186.20
Final Shut-In	120	☐ Accessibility		MP/DST Disc't	
		Sub Total	2186.20		

Approved By _____ Our Representative Matthew Summers

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 57789

Well Name & No. HWY 'A' I-25 Test No. 2 Date 10/28/14

Company McCoy Petroleum Corporation Elevation 2241 KB 2232 GL

Address 9342 E. Central Wichita, KS. 67206

Co. Rep / Geo. Zach Wiele Rig Sterling Rig #4

Location: Sec. 25 Twp. 30S Rge. 19W Co. Kiowa State KS.

Interval Tested 5090 - 5121 Zone Tested Spergen Ø

Anchor Length 31 Drill Pipe Run 4,877' Mud Wt. 9.2

Top Packer Depth 5085 Drill Collars Run 217' Vis 50

Bottom Packer Depth 5090 Wt. Pipe Run Ø WL 9.5

Total Depth 5121 Chlorides 8000 ppm System LCM 2#

Blow Description IF: Strong blow. B.O.B in 1-min.

ISI: No blow.

FF: Strong blow. Immediate B.O.B. G.T.S. in 68 mins. T.S.T.M.

FSI: Weak blow. Surf. – 1/4": Blow started after 12 mins.

Rec G.T.S.	Feet of G.T.S. T.S.T.M	100 %gas	%oil	%water	%mud
Rec 1,246	Feet of OGCM	25 %gas	5 %oil	%water	70 %mud
Rec 889	Feet of SHO GWCM	5 %gas	%oil	5 %water	90 %mud
Rec 1,111	Feet of SHO+W GCM	4 %gas	%oil	%water	96 %mud
Rec 210	Feet of SHO+W GCM	1 %gas	%oil	%water	99 %mud

Rec Total 3,457' BHT ____ Gravity N.A. API RW N.C @ ____ °F Chlorides 8000 ppm

(A) Initial Hydrostatic	☑ Test 1350	T-On Location 0605
(B) First Initial Flow	☑ Jars 250	T-Started
(C) First Final Flow	☑ Safety Joint 75	T-Open
(D) Initial Shut-In	☐ Circ Sub	T-Pulled
(E) Second Initial Flow	☐ Hourly Standby	T-Out
(F) Second Final Flow	☑ Mileage (104) → 161.20	Comments Breakfast @ 6:30-7:00 AM
(G) Final Shut-In	☐ Sampler	
(H) Final Hydrostatic	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 5	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0
Final Flow 90	☐ Day Standby	Total 1836.20
Final Shut-In 60	☐ Accessibility	MP/DST Disc't
	Sub Total 1836.20	

Approved By ____ Our Representative Matthew Smith

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Natural Gas • Crude Oil
Exploration & Production

McCOY PETROLEUM CORPORATION

Wichita, Kansas

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

Well Name:	HWY 'A' #1-25		
API:	15-097-21810-00-00		
Location:	Sec. 25 - T30S - R19W, Kiowa County, KS		
License Number:	5003	Region:	Alford South
Spud Date:	Oct 21, 2014	Drilling Completed:	Oct 28, 2014
Surface Coordinates:	W2 NE SE 1980' FSL & 990' FEL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	2232'	K.B. Elevation (ft):	2241'
Logged Interval (ft):	NA To: NA	Total Depth (ft):	RTD: 5121'
Formation:	Mississippian		
Type of Drilling Fluid:	Chemical/Polymer/Gel		

OPERATOR

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

GEOLOGIST

Name: Zach Wiele
Company: McCoy Petroleum Corporation
Address: 9342 E. Central
Wichita, KS 67206

Casing & Deviation Surveys:

Spud @ 6:00 pm Wednesday 10/21/14

13-3/8" Casing String:
Drilled 17- 1/2 " hole to 255'. Ran 7 joints of 48# ; 13-3/8" surface casing.
Tallied 240.32'+.80' Shoe, set at 252' KB. Strapped bottom 3 joints. Tacked collars & pins on 4 joints.
Cemented with 350 sks 60/40 POZ; 2% Gel; 3% CC; 1/4# CF. Cement did circulate. Plug down at 3:30 am on 10/22/14. Basic Energy Svcs Cementing ticket #11494.

8-5/8" Casing String:
Drilled 12-1/4" hole to 646'. Ran 15 joints of new 23# 8-5/8" surface casing. Tallied 630.73'. Landed at at 642.73'. Strapped guide shoe and bottom 3 joints, tacked collars on all, then welded collar on top 3 joints. Basket at 220'. Cemented with 200 sks A-Con; 3% CC, 1/4# CF & tailed with 200 sks 60/40 POZ; 2% 3% CC & 1/4# CF. Cement did circulate. Baffle in 1st collar. Plug down at 12:30 am on 10/23/14. Basic Energies cementing ticket #11495.

Drilled cement (61') plug and 118' with tooth bit. PDC bit in at 764'

Deviation Surveys Taken: @ 255' = 1 Degree; @ 346' = 1- 3/4 Degrees

DRILL STEM TEST

DST #1

4906-4957' (Marmaton)
Open: 5", SI: 60", Open: 90", SI: 120"
1st Open: Strong Blow off bottom of bucket in 1.5 minutes. Weak 1/4" blowback.
2nd Open: Fair to Strong Blow off bottom of bucket in 5 minutes. Weak 1.5" blowback.
Rec: 1142' GIP
60' GMOCW (1%Gas, 3%Mud, 4%Oil, 92%Water)
342' SOGMCW (2%Gas, 5%Mud, 93%Water)
128' OWGCM (13%Oil, 20%Water, 27%Gas, 40%Mud)
106' GOWCM (5%Gas, 20%Oil, 25%Water, 50%Mud)
636' Total Fluid Recovery
IFP: 99-119# FFP: 142-312#
SIP: 1499-1478#

DST #2
5090-5121' (Mississippian: Spergen)
Open: 5", SI: 45", Open: 90", SI: 60"
1st Open: Good Blow off bottom of bucket in 1 minute.
2nd Open: Strong Blow of bottom of bucket immediately. GTS in 68 mins. TSTM.
Test tool got Stuck In Hole. Tool slide to bottom and fluid recovery is approximated. Pressure Recorders are being fished.
Rec: 3980' O&GCM (Appx 8-10%Oil, 13%Gas, 77-79%Mud)
3980' Total fluid recovery
IFP: NA ATT
SIP: NA ATT

ROCK TYPES

LITHOLOGY

- Char-grn sh
- Anhy
- Brec
- Cht
- Clyst
- Dol
- Gyp
- Lmst
- Drk gry sh
- Ss
- Congl
- Blk carb sh
- Grn sh
- Brn sh
- Red sh
- Gry sh

TEXTURE

- BS Boundst
- C Chalky
- CX Cryxln
- E Earthy
- FX Finexln
- GS Grainst
- L Lithogr
- MX Microxln
- MS Mudst
- PS Packst
- WS Wackest

OIL SHOW

- Even
- Spotted
- Ques
- Gas
- Dead

HWY 'A' #1-25
ROP (min/ft)

Depth	Lithology	Oil Shows	Geological Descriptions	Comments	TG, C1-C5

0 ROP (min/ft) 5

McCoy Petroleum Corporation

Well: HWY 'A' #1-25

Location: Sec. 25 - T. 30 S - R. 19 W
W2 NE SE
1980' FSL & 990' FEL
Alford South Area
Kiowa County, KS

API #: 15-097-21810-00-00

Elevation: KB: 2241' GL: 2232'

Contractor: Sterling Drilling : Rig #4

Geologist: Zach Wiele

GEOLOGIST ON LOCATION @: 9:20 am on 10/26/14 4580'

31' Kelly Down Samples @ 3900'

3800

3850

Ls Crm-Wht, Fxln, poor-fair PP Inxln por, sli foss w/poor develp disol vugs, chlky, Sh Drk Gry-Gry-Aqua, soft(gummy) fiss, sli silty, no odr, no flor, no stn, NS

3900

Ls Crm-Wht-Lt Gry, Fxln micrite grad poor-fair PP Inxln por, sli foss w/poor develp disol vugs, fri, chlky, Sh Gry-Brn-Drk Red-Aqua, soft slaty fiss, sli calc, Trc Chrt Wht op fresh, no odr, no flor, no stn, NS

MUD DISPLACEMENT
@ 3646'

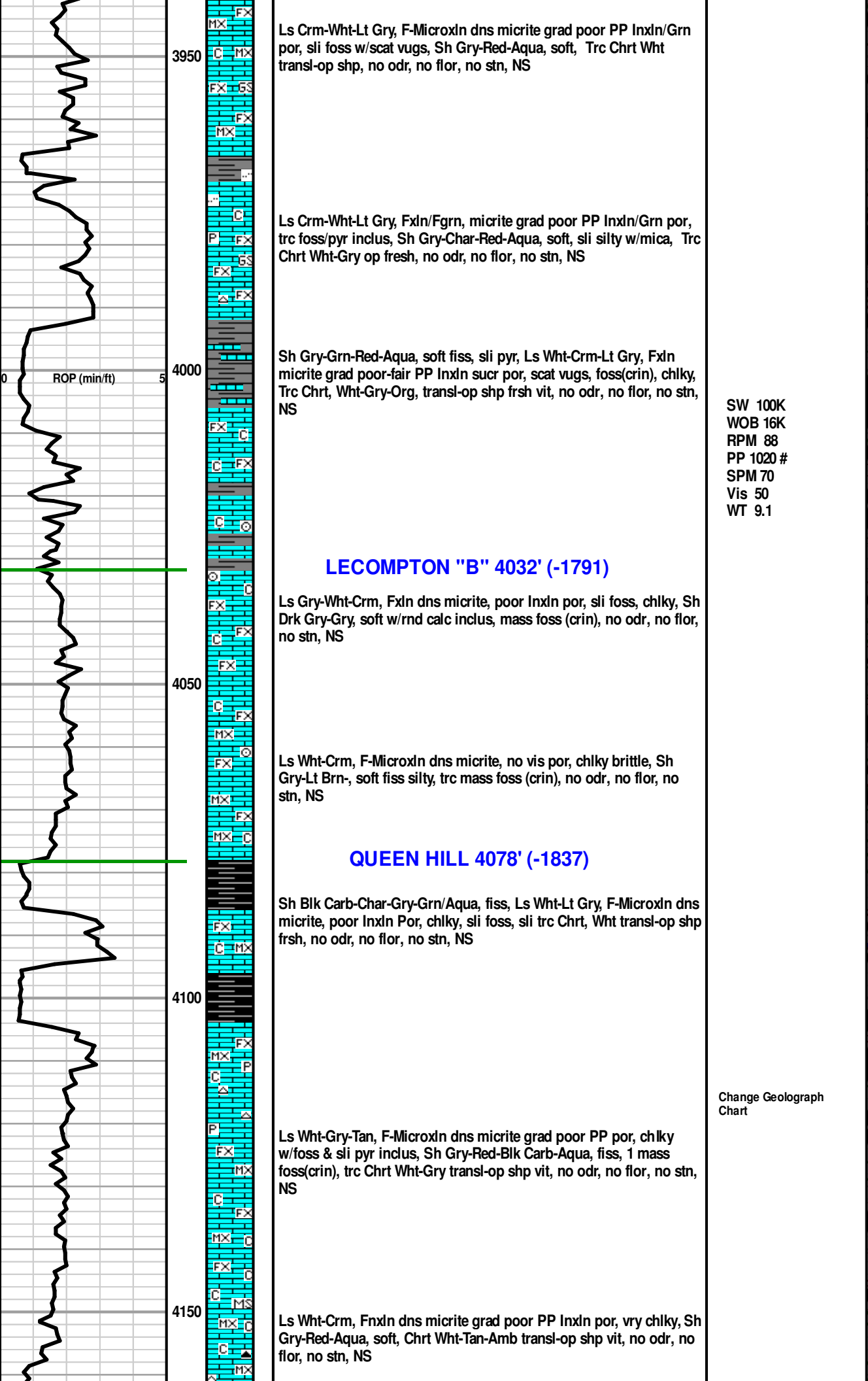
SW 98K
WOB 16K
RPM 92-94
PP 980 #
SPM 70
Vis 47
WT 9.0

TG
C1
C2
C3
C4

0 TG 50
0 C1 50
0 C2 50
0 C3 50
0 C4 50

Scale Change
0 TG 50
0 C1 50
0 C2 50
0 C3 50
0 C4 1000

C4 = 850



Ls Crm-Wht-Lt Gry, F-Microxln dns micrite grad poor PP Inxln/Grn por, sli foss w/scat vugs, Sh Gry-Red-Aqua, soft, Trc Chrt Wht transl-op shp, no odr, no flor, no stn, NS

Ls Crm-Wht-Lt Gry, Fxln/Fgrn, micrite grad poor PP Inxln/Grn por, trc foss/pyr inclus, Sh Gry-Char-Red-Aqua, soft, sli silty w/mica, Trc Chrt Wht-Gry op fresh, no odr, no flor, no stn, NS

Sh Gry-Grn-Red-Aqua, soft fiss, sli pyr, Ls Wht-Crm-Lt Gry, Fxln micrite grad poor-fair PP Inxln sucr por, scat vugs, foss(crin), chlky, Trc Chrt, Wht-Gry-Org, transl-op shp frsh vit, no odr, no flor, no stn, NS

SW 100K
WOB 16K
RPM 88
PP 1020 #
SPM 70
Vis 50
WT 9.1

LECOMPTON "B" 4032' (-1791)

Ls Gry-Wht-Crm, Fxln dns micrite, poor Inxln por, sli foss, chlky, Sh Drk Gry-Gry, soft w/rnd calc inclus, mass foss (crin), no odr, no flor, no stn, NS

Ls Wht-Crm, F-Microxln dns micrite, no vis por, chlky brittle, Sh Gry-Lt Brn-, soft fiss silty, trc mass foss (crin), no odr, no flor, no stn, NS

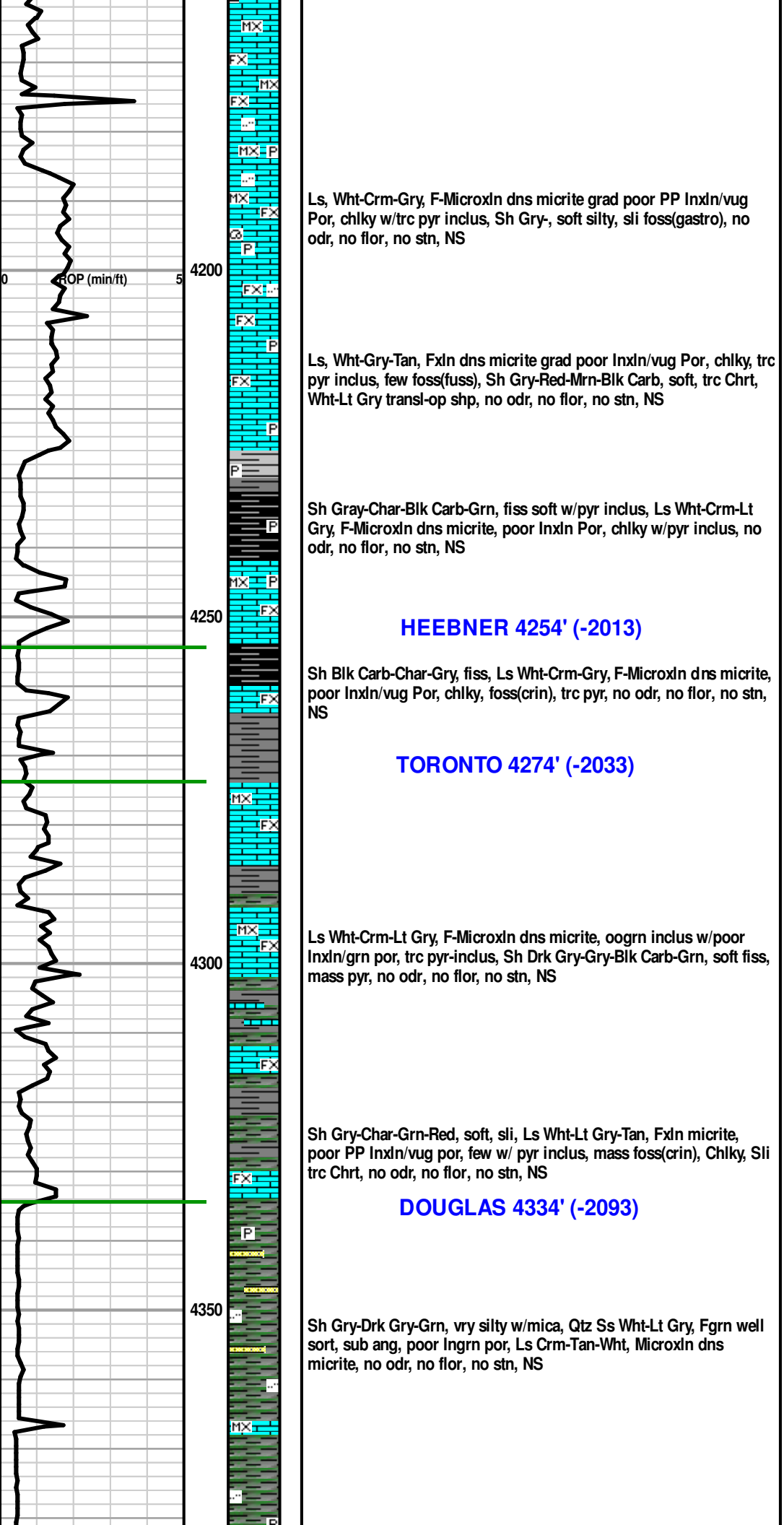
QUEEN HILL 4078' (-1837)

Sh Blk Carb-Char-Gry-Grn/Aqua, fiss, Ls Wht-Lt Gry, F-Microxln dns micrite, poor Inxln Por, chlky, sli foss, sli trc Chrt, Wht transl-op shp frsh, no odr, no flor, no stn, NS

Change Geolograph Chart

Ls Wht-Gry-Tan, F-Microxln dns micrite grad poor PP por, chlky w/foss & sli pyr inclus, Sh Gry-Red-Blk Carb-Aqua, fiss, 1 mass foss(crin), trc Chrt Wht-Gry transl-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm, Fnxln dns micrite grad poor PP Inxln por, vry chlky, Sh Gry-Red-Aqua, soft, Chrt Wht-Tan-Amb transl-op shp vit, no odr, no flor, no stn, NS



Ls, Wht-Crm-Gry, F-Microxln dns micrite grad poor PP Inxln/vug Por, chlky w/trc pyr inclus, Sh Gry-, soft silty, sli foss(gastro), no odr, no flor, no stn, NS

Ls, Wht-Gry-Tan, Fxln dns micrite grad poor Inxln/vug Por, chlky, trc pyr inclus, few foss(fuss), Sh Gry-Red-Mrn-Blk Carb, soft, trc Chrt, Wht-Lt Gry transl-op shp, no odr, no flor, no stn, NS

Sh Gray-Char-Blk Carb-Grn, fiss soft w/pyr inclus, Ls Wht-Crm-Lt Gry, F-Microxln dns micrite, poor Inxln Por, chlky w/pyr inclus, no odr, no flor, no stn, NS

HEEBNER 4254' (-2013)

Sh Blk Carb-Char-Gry, fiss, Ls Wht-Crm-Gry, F-Microxln dns micrite, poor Inxln/vug Por, chlky, foss(crin), trc pyr, no odr, no flor, no stn, NS

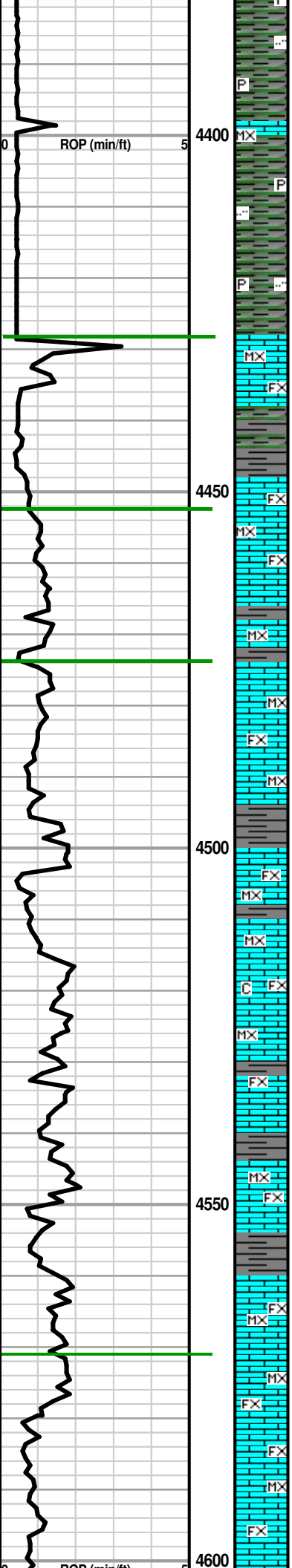
TORONTO 4274' (-2033)

Ls Wht-Crm-Lt Gry, F-Microxln dns micrite, oogrn inclus w/poor Inxln/grn por, trc pyr-inclus, Sh Drk Gry-Gry-Blk Carb-Grn, soft fiss, mass pyr, no odr, no flor, no stn, NS

Sh Gry-Char-Grn-Red, soft, sli, Ls Wht-Lt Gry-Tan, Fxln micrite, poor PP Inxln/vug por, few w/ pyr inclus, mass foss(crin), Chlky, Sli trc Chrt, no odr, no flor, no stn, NS

DOUGLAS 4334' (-2093)

Sh Gry-Drk Gry-Grn, vry silty w/mica, Qtz Ss Wht-Lt Gry, Fgrn well sort, sub ang, poor Ingrn por, Ls Crm-Tan-Wht, Microxln dns micrite, no odr, no flor, no stn, NS



Sh Gry-Drk Gry-Char-Red-Grn, vry silty w/mica and pyr inclus Ls Crm-Tan-Wht, Microxln dns micrite, no odr, no flor, no stn, NS

Sh Gry-Lt Gry-Lt Brn, soft silty in pt w/strks pyr, Trc Ls Tan-Gry-Crm, F-Microxln micrite, sli oolithic w/foss inclus, poor PP Inxln Por, mass foss(gastro), no odr, no flor, no stn, NS

BROWN LIME 4428' (-2187)

LANSING 4452' (-2211)

LANSING "B" 4474' (-2233)

SW 106K
WOB 16K
RPM 90
PP 975 #
SPM 70
Vis 47
WT 9.3

Ls Wht-Gry-Tan, Fxln micrite, oolithic w/foss inclus (sml-med ool grns in plc), vpoor Inxln por, Sh Gry-Lt Brn-Mrn-Red-Aqua soft fiss, silty in prt, mass pyr, no odr, no flor, no stn, NS

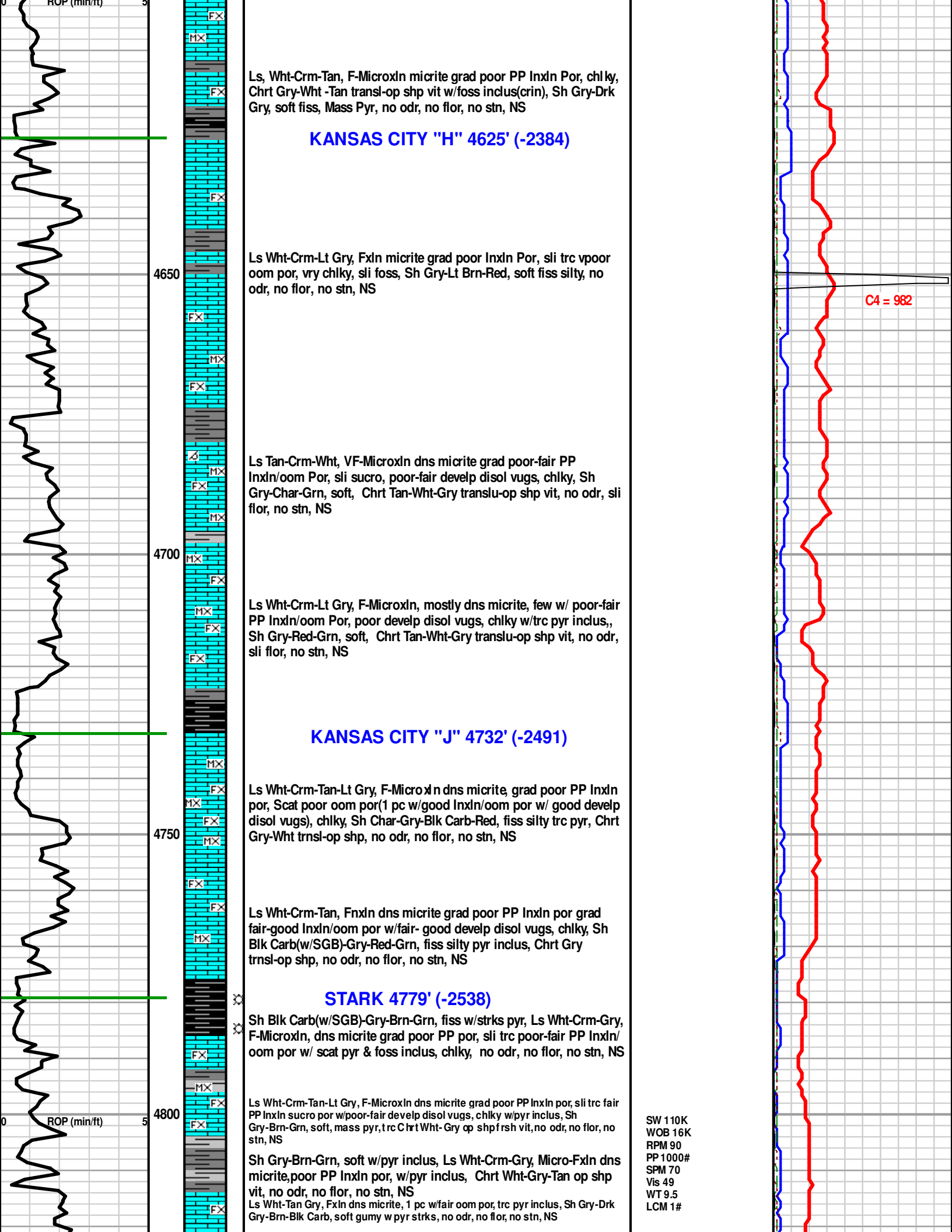
Mudco Ck @ 4525' @ 8:30 AM 10/26/14 Vis=42; WT=9.4#; PV=14; YP= 15; WL=13.4; Cake=2; Chl=7,000; Cal =440 ; Sol=7.4%. LCM= TRC#; DMC=$ 1,267.35 CMC=$ 9,943.95

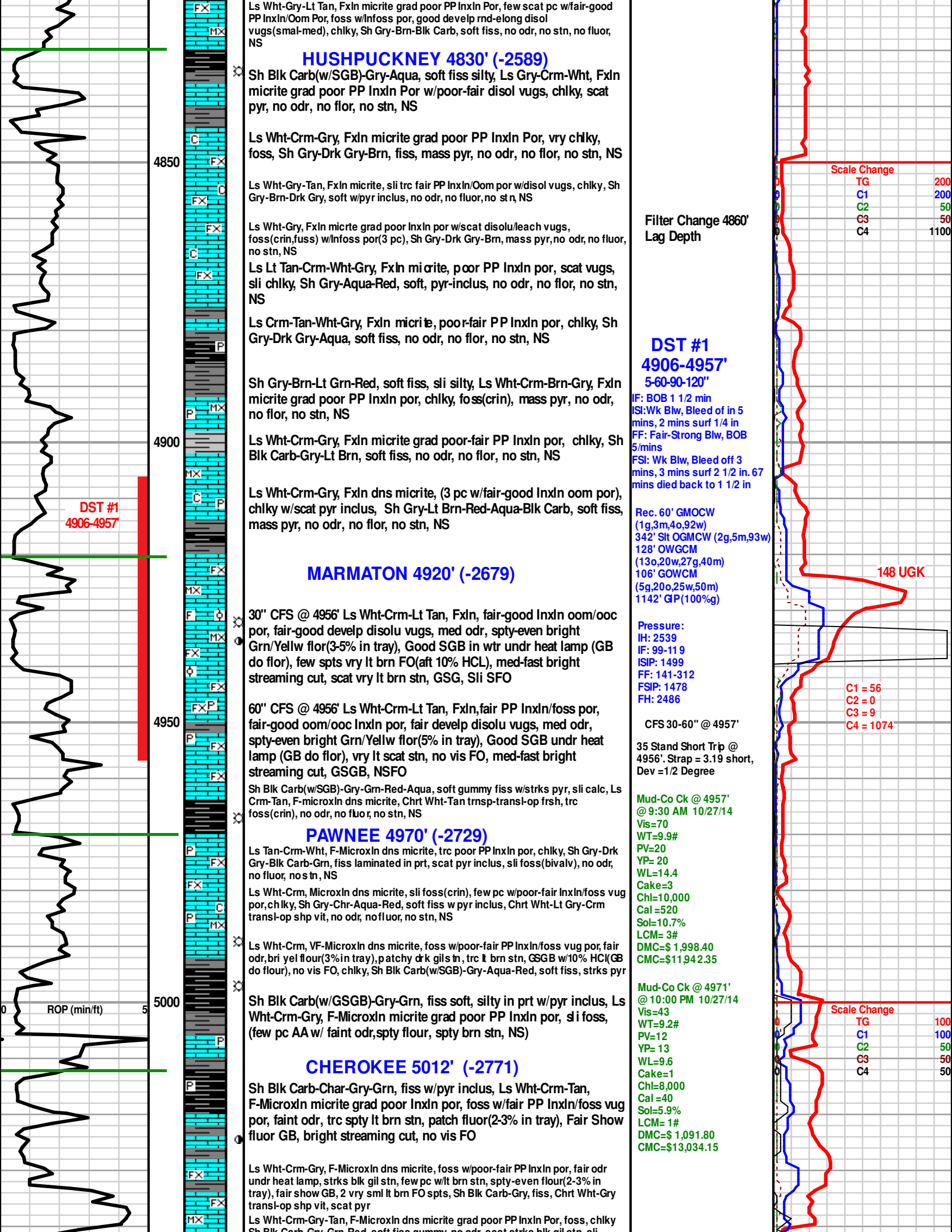
Sh Gry-Chr-Grn, soft silty, mass pyr, Ls Wht-Crm-Gry, F-Microxln dns micrite, poor PP Inxln por, chlky, Chrt Wht-Tan-Gry transl-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Tan-Lt Gry, F-Microxln dns micrite, poor PP Inxln/Gran Por w/scat vugs, chlky, Sh Gry-Brn-Red, soft silty, trc Chrt Tan op shp, mass pyr, foss, no odr, no flor, no stn, NS

LANSING "F" 4571' (-2330)

Ls Wht-Crm-Lt Gry, F-Microxln dns micrite, poor PP Inxln/Gran Por,trc ool grn in plc, chlky w/foss inclus, Sh Gry-Red-Drk Gry, soft, sli silty, trc Chrt Tan-Gry op shp vit, mass pyr, no odr, no flor, no stn, NS


0
ROP (min/ft)
5
4650
4700
4750
4800
0
ROP (min/ft)
5
FX
MX
Ls, Wht-Crm-Tan, F-Microxln micrite grad poor PP Inxln Por, chlky, Chrt Gry-Wht -Tan transl-op shp vit w/foss inclus(crin), Sh Gry-Drk Gry, soft fiss, Mass Pyr, no odr, no flor, no stn, NS
KANSAS CITY "H" 4625' (-2384)
Ls Wht-Crm-Lt Gry, Fxln micrite grad poor Inxln Por, sli trc vpoor oom por, vry chlky, sli foss, Sh Gry-Lt Brn-Red, soft fiss silty, no odr, no flor, no stn, NS
C4 = 982
Ls Tan-Crm-Wht, VF-Microxln dns micrite grad poor-fair PP Inxln/oom Por, sli sucro, poor-fair develp disol vugs, chlky, Sh Gry-Char-Grn, soft, Chrt Tan-Wht-Gry translu-op shp vit, no odr, sli flor, no stn, NS
Ls Wht-Crm-Lt Gry, F-Microxln, mostly dns micrite, few w/ poor-fair PP Inxln/oom Por, poor develp disol vugs, chlky w/trc pyr inclus,, Sh Gry-Red-Grn, soft, Chrt Tan-Wht-Gry translu-op shp vit, no odr, sli flor, no stn, NS
KANSAS CITY "J" 4732' (-2491)
Ls Wht-Crm-Tan-Lt Gry, F-Microxln dns micrite, grad poor PP Inxln por, Scat poor oom por(1 pc w/good Inxln/oom por w/ good develp disol vugs), chlky, Sh Char-Gry-Blk Carb-Red, fiss silty trc pyr, Chrt Gry-Wht trnsl-op shp, no odr, no flor, no stn, NS
Ls Wht-Crm-Tan, Fnxln dns micrite grad poor PP Inxln por grad fair-good Inxln/oom por w/fair- good develp disol vugs, chlky, Sh Blk Carb(w/SGB)-Gry-Red-Grn, fiss silty pyr inclus, Chrt Gry trnsl-op shp, no odr, no flor, no stn, NS
STARK 4779' (-2538)
Sh Blk Carb(w/SGB)-Gry-Brn-Grn, fiss w/strks pyr, Ls Wht-Crm-Gry, F-Microxln, dns micrite grad poor PP por, sli trc poor-fair PP Inxln/ oom por w/ scat pyr & foss inclus, chlky, no odr, no flor, no stn, NS
Ls Wht-Crm-Tan-Lt Gry, F-Microxln dns micrite grad poor PP Inxln por, sli trc fair PP Inxln sucro por w/poor-fair develp disol vugs, chlky w/pyr inclus, Sh Gry-Brn-Grn, soft, mass pyr, trc Chrt Wht-Gry op shp frsh vit, no odr, no flor, no stn, NS
Sh Gry-Brn-Grn, soft w/pyr inclus, Ls Wht-Crm-Gry, Micro-Fxln dns micrite, poor PP Inxln por, w/pyr inclus, Chrt Wht-Gry-Tan op shp vit, no odr, no flor, no stn, NS
Ls Wht-Tan Gry, Fxln dns micrite, 1 pc w/fair oom por, trc pyr inclus, Sh Gry-Drk Gry-Brn-Blk Carb, soft gumy w pyr strks, no odr, no flor, no stn, NS
SW 110K
WOB 16K
RPM 90
PP 1000#
SPM 70
Vis 49
WT 9.5
LCM 1#



Ls Wht-Gry-Lt Tan, Fxln micrite grad poor PP Inxln Por, few scat pc w/fair-good PP Inxln/Oom Por, foss w/Infoss por, good develp rnd-elong disol vugs(smal-med), chlky, Sh Gry-Brn-Blk Carb, soft fiss, no odr, no stn, no fluor, NS

HUSHPUCKNEY 4830' (-2589)

Sh Blk Carb(w/SGB)-Gry-Aqua, soft fiss silty, Ls Gry-Crm-Wht, Fxln micrite grad poor PP Inxln Por w/poor-fair disol vugs, chlky, scat pyr, no odr, no flor, no stn, NS

Ls Wht-Crm-Gry, Fxln micrite grad poor PP Inxln Por, vry chlky, foss, Sh Gry-Drk Gry-Brn, fiss, mass pyr, no odr, no flor, no stn, NS

Ls Wht-Gry-Tan, Fxln micrite, sli trc fair PP Inxln/Oom por w/disol vugs, chlky, Sh Gry-Brn-Drk Gry, soft w/pyr inclus, no odr, no fluor, no stn, NS

Ls Wht-Gry, Fxln micrte grad poor Inxln por w/scat disolu/leach vugs, foss(crin,fuss) w/Infoss por(3 pc), Sh Gry-Drk Gry-Brn, mass pyr, no odr, no fluor, no stn, NS

Ls Lt Tan-Crm-Wht-Gry, Fxln micrite, poor PP Inxln por, scat vugs, sli chlky, Sh Gry-Aqua-Red, soft, pyr-inclus, no odr, no flor, no stn, NS

Ls Crm-Tan-Wht-Gry, Fxln micrite, poor-fair PP Inxln por, chlky, Sh Gry-Drk Gry-Aqua, soft fiss, no odr, no flor, no stn, NS

Sh Gry-Brn-Lt Grn-Red, soft fiss, sli silty, Ls Wht-Crm-Brn-Gry, Fxln micrite grad poor PP Inxln por, chlky, foss(crin), mass pyr, no odr, no flor, no stn, NS

Ls Wht-Crm-Gry, Fxln micrite grad poor-fair PP Inxln por, chlky, Sh Blk Carb-Gry-Lt Brn, soft fiss, no odr, no flor, no stn, NS

Ls Wht-Crm-Gry, Fxln dns micrite, (3 pc w/fair-good Inxln oom por), chlky w/scat pyr inclus, Sh Gry-Lt Brn-Red-Aqua-Blk Carb, soft fiss, mass pyr, no odr, no flor, no stn, NS

MARMATON 4920' (-2679)

30" CFS @ 4956' Ls Wht-Crm-Lt Tan, Fxln, fair-good Inxln oom/ooc por, fair-good develp disolu vugs, med odr, spty-even bright Grn/Yellw flor(3-5% in tray), Good SGB in wtr undr heat lamp (GB do flor), few spts vry lt brn FO(aft 10% HCL), med-fast bright streaming cut, scat vry lt brn stn, GSG, Sli SFO

60" CFS @ 4956' Ls Wht-Crm-Lt Tan, Fxln,fair PP Inxln/foss por, fair-good oom/ooc Inxln por, fair develp disolu vugs, med odr, spty-even bright Grn/Yellw flor(5% in tray), Good SGB undr heat lamp (GB do flor), vry lt scat stn, no vis FO, med-fast bright streaming cut, GSGB, NSFO

Sh Blk Carb(w/SGB)-Gry-Grn-Red-Aqua, soft gummy fiss w/strks pyr, sli calc, Ls Crm-Tan, F-microxln dns micrite, Chrt Wht-Tan trnsp-transl-op frsh, trc foss(crin), no odr, no fluor, no stn, NS

PAWNEE 4970' (-2729)

Ls Tan-Crm-Wht, F-Microxln dns micrite, trc poor PP Inxln por, chlky, Sh Gry-Drk Gry-Blk Carb-Grn, fiss laminated in prt, scat pyr inclus, sli foss(bivalv), no odr, no fluor, no stn, NS

Ls Wht-Crm, Microxln dns micrite, sli foss(crin), few pc w/poor-fair Inxln/foss vug por, chlky, Sh Gry-Chr-Aqua-Red, soft fiss w pyr inclus, Chrt Wht-Lt Gry-Crm transl-op shp vit, no odr, no fluor, no stn, NS

Ls Wht-Crm, VF-Microxln dns micrite, foss w/poor-fair PP Inxln/foss vug por, fair odr, bri yel flour(3% in tray), patchy drk gils tn, trc lt brn stn, GSGB w/10% HCl(GB do flour), no vis FO, chlky, Sh Blk Carb(w/SGB)-Gry-Aqua-Red, soft fiss, strks pyr

Sh Blk Carb(w/GSGB)-Gry-Grn, fiss soft, silty in prt w/pyr inclus, Ls Wht-Crm-Gry, F-Microxln micrite grad poor PP Inxln por, sli foss, (few pc AA w/ faint odr, spty flour, spty brn stn, NS)

CHEROKEE 5012' (-2771)

Sh Blk Carb-Char-Gry-Grn, fiss w/pyr inclus, Ls Wht-Crm-Tan, F-Microxln micrite grad poor Inxln por, foss w/fair PP Inxln/foss vug por, faint odr, trc spty lt brn stn, patch fluor(2-3% in tray), Fair Show fluor GB, bright streaming cut, no vis FO

Ls Wht-Crm-Gry, F-Microxln dns micrite, foss w/poor-fair PP Inxln por, fair odr undr heat lamp, strks blk gil stn, few pc w/lt brn stn, spty-even flour(2-3% in tray), fair show GB, 2 vry sml lt brn FO spts, Sh Blk Carb-Gry, fiss, Chrt Wht-Gry transl-op shp vit, scat pyr

Ls Wht-Crm-Gry-Tan, F-Microxln dns micrite grad poor PP Inxln Por, foss, chlky

Filter Change 4860'
Lag Depth

DST #1
4906-4957'
5-60-90-120"

IF: BOB 1 1/2 min
ISI:Wk Blw, Bleed of in 5 mins, 2 mins surf 1/4 in
FF: Fair-Strong Blw, BOB 5/mins
FSI: Wk Blw, Bleed off 3 mins, 3 mins surf 2 1/2 in. 67 mins died back to 1 1/2 in

Rec. 60' GMOCW (1g,3m,4o,92w)
342' Slt OGMCW (2g,5m,93w)
128' OWGCM (13o,20w,27g,40m)
106' GOWCM (5g,20o,25w,50m)
1142' GIP(100%g)

Pressure:
IH: 2539
IF: 99-119
ISIP: 1499
FF: 141-312
FSIP: 1478
FH: 2486

CFS 30-60" @ 4957'

35 Stand Short Trip @ 4956'. Strap = 3.19 short, Dev =1/2 Degree

Mud-Co Ck @ 4957' @ 9:30 AM 10/27/14
Vis=70
WT=9.9#
PV=20
YP= 20
WL=14.4
Cake=3
Chl=10,000
Cal =520
Sol=10.7%
LCM= 3#
DMC=$ 1,998.40
CMC=$11,942.35

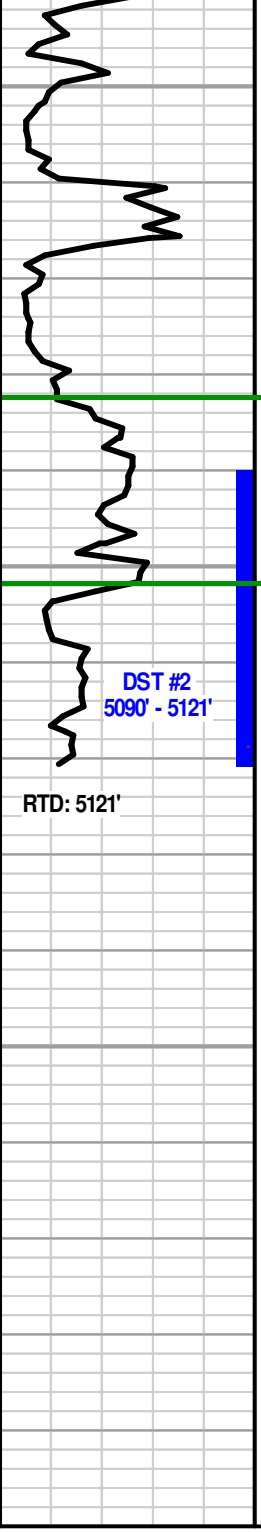
Mud-Co Ck @ 4971' @ 10:00 PM 10/27/14
Vis=43
WT=9.2#
PV=12
YP= 13
WL=9.6
Cake=1
Chl=8,000
Cal =40
Sol=5.9%
LCM= 1#
DMC=$ 1,091.80
CMC=$13,034.15

Scale Change
TG 200
C1 200
C2 50
C3 50
C4 1100

148 UGK

C1 = 56
C2 = 0
C3 = 9
C4 = 1074

Scale Change
TG 100
C1 100
C2 50
C3 50
C4 50



5050

5100

5150

Sh Blk Carb-Gry-Grn-Red, soft fiss gummy, no odr, scat strks blk gil stn, sli flour(from abv),NS

Sh Blk Carb-Gry-Brn-Grn-Red, soft fiss, Ls Wht-Crm-Gry, F-Microxln micrite, poor lnxln por,s cat pyr, no odr, no fluor, no stn, NS

Sh Blk Carb-Gry-Aqua-Red, soft fiss w/pyr inclus, Ls Wht-Crm-Tan, F-Microxln micrite, poor lnxln por,f oss , ma ss pyr,chlky,Chrt Wht-Gry op shp frsh, no odr, no fluor,no stn, NS

Sh Blk Carb-Gry-Grn-Aqua-Red, soft fiss gummy, w/pyr inclus, Ls Wht-Crm-Tan, Fnxln micrite, poor lnxln/vug por, foss,chlky, scat blk gil stn, Chrt Wht-Tan-Gry op shp frsh, no odr, no fluor, no stn, NS

Sh Blk Carb-Gry-Aqua-Brn-Mrn, soft fiss Ls Wht-Crm, F-Microxln micrite, poor-fair PP lnxln por, foss, chlky CaCO3 mud , scat blk gil stn, Chrt Wht-Org-Tan transl-op shp frsh vit, no odr, no fluor, no stn, NS

MISSISSIPPIAN 5082' (-2841)

Ls Wht-Crm, Micro-Fxln micrite grad poor-fair PP lnxln sucro por,w/trc gluc inclus, faint odr, blk gil stn, scat lt brn stn, even fluor(5-6% in try), flour GB & FO spts(aftr 10% HCL), chlky, foss,Sh Gry-Aqua-Grn-Oliv-Mrn-soft fiss, Chrt Wht-Tan-Gry op shp vit

SPERGEN Ø 5102'(-2861)

30" CFS @ 5121' Dol/Ls Tan-Crm-Gry, Fxln, fair-good PP lnxln sucro por, vry friable, sli trc gluc, fair-good odr, sat brn stn, scat blk gil stn, even grn/yel fluor(5% in try), Good Show GB, Good Show FO in tray

60" CFS @ 5121' Dol/Ls Tan-Crm-Gry, Fxln, vgood PP lnxln/vug sucro por, trc gluc inclus, vry friable, good/strng odr, sat brn stn, scat blk gil stn, even grn/yel fluor(50% in try), Good Show GB, Good Show FO in tray, Sh vari color

Geologist released from location @ 8:50 pm on 10/28/2014

RTD 5121'. DST #2 (5090'-5121') Test tool stuck in hole. The tool was jarred free and pulled to surface where it was found to be broken in two. 21 feet of test tool and 31' of anchor remain down hole. Kansas Fishing Tools were notified on 10/28/14. Fishing operations were unsuccessful after attempting for 5 days. The decision was made on 11/2/14 to plug and abandon the well.

Rig released @ 7:00 am on 11/3/2014.

DST # 2
5090' - 5121'

5-45-90-60"

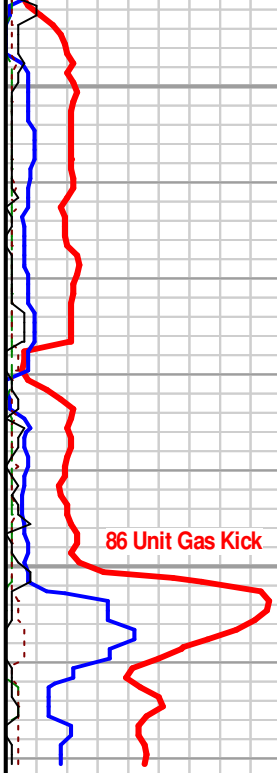
IF: Good Blow, BOB/1"
FF: BOB immed. GTS
68 mins. TSTM.

Test tool slide to bottom and fluid recovery is approximated. Test tool stuck in hole.

Rec: 3980' O&GCM (Appx. 8-10%O,13%G,77-79%M)

IFP: NA ATT
SIP: NA ATT

30"- 60" CFS @ 5121'



Natural Gas • Crude Oil
Exploration & Production

McCOY PETROLEUM CORPORATION

Wichita, Kansas

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

Well Name:	HWY 'A' #1-25		
API:	15-097-21810-00-00		
Location:	Sec. 25 - T30S - R19W, Kiowa County, KS		
License Number:	5003	Region:	Alford South
Spud Date:	Oct 21, 2014	Drilling Completed:	Oct 28, 2014
Surface Coordinates:	W2 NE SE 1980' FSL & 990' FEL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	2232'	K.B. Elevation (ft):	2241'
Logged Interval (ft):	NA To: NA	Total Depth (ft):	RTD: 5121'
Formation:	Mississippian		
Type of Drilling Fluid:	Chemical/Polymer/Gel		

OPERATOR

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

GEOLOGIST

Name: Zach Wiele
Company: McCoy Petroleum Corporation
Address: 9342 E. Central
Wichita, KS 67206

Casing & Deviation Surveys:

Spud @ 6:00 pm Wednesday 10/21/14

13-3/8" Casing String:
Drilled 17- 1/2 " hole to 255'. Ran 7 joints of 48# ; 13-3/8" surface casing.
Tallied 240.32'+.80' Shoe, set at 252' KB. Strapped bottom 3 joints. Tacked collars & pins on 4 joints.
Cemented with 350 sks 60/40 POZ; 2% Gel; 3% CC; 1/4# CF. Cement did circulate. Plug down at 3:30 am on 10/22/14. Basic Energy Svcs Cementing ticket #11494.

8-5/8" Casing String:
Drilled 12-1/4" hole to 646'. Ran 15 joints of new 23# 8-5/8" surface casing. Tallied 630.73'. Landed at at 642.73'. Strapped guide shoe and bottom 3 joints, tacked collars on all, then welded collar on top 3 joints. Basket at 220'. Cemented with 200 sks A-Con; 3% CC, 1/4# CF & tailed with 200 sks 60/40 POZ; 2% 3% CC & 1/4# CF. Cement did circulate. Baffle in 1st collar. Plug down at 12:30 am on 10/23/14. Basic Energies cementing ticket #11495.

Drilled cement (61') plug and 118' with tooth bit. PDC bit in at 764'

Deviation Surveys Taken: @ 255' = 1 Degree; @ 346' = 1- 3/4 Degrees

DRILL STEM TEST

DST #1

4906-4957' (Marmaton)
Open: 5", SI: 60", Open: 90", SI: 120"
1st Open: Strong Blow off bottom of bucket in 1.5 minutes. Weak 1/4" blowback.
2nd Open: Fair to Strong Blow off bottom of bucket in 5 minutes. Weak 1.5" blowback.
Rec: 1142' GIP
60' GMOCW (1%Gas, 3%Mud, 4%Oil, 92%Water)
342' SOGMCW (2%Gas, 5%Mud, 93%Water)
128' OWGCM (13%Oil, 20%Water, 27%Gas, 40%Mud)
106' GOWCM (5%Gas, 20%Oil, 25%Water, 50%Mud)
636' Total Fluid Recovery
IFP: 99-119# FFP: 142-312#
SIP: 1499-1478#

DST #2
5090-5121' (Mississippian: Spergen)
Open: 5", SI: 45", Open: 90", SI: 60"
1st Open: Good Blow off bottom of bucket in 1 minute.
2nd Open: Strong Blow of bottom of bucket immediately. GTS in 68 mins. TSTM.
Test tool got Stuck In Hole. Tool slide to bottom and fluid recovery is approximated. Pressure Recorders are being fished.
Rec: 3980' O&GCM (Appx 8-10%Oil, 13%Gas, 77-79%Mud)
3980' Total fluid recovery
IFP: NA ATT
SIP: NA ATT

ROCK TYPES

LITHOLOGY

- Char-grn sh
- Anhy
- Brec
- Cht
- Clyst
- Dol
- Gyp
- Lmst
- Drk gry sh
- Ss
- Congl
- Blk carb sh
- Grn sh
- Brn sh
- Red sh
- Gry sh

TEXTURE

- BS Boundst
- C Chalky
- CX Cryxln
- E Earthy
- FX Finexln
- GS Grainst
- L Lithogr
- MX Microxln
- MS Mudst
- PS Packst
- WS Wackest

OIL SHOW

- Even
- Spotted
- Ques
- Gas
- Dead

HWY 'A' #1-25
ROP (min/ft)

Depth	Lithology	Oil Shows	Geological Descriptions	Comments	TG, C1-C5

0 ROP (min/ft) 5

McCoy Petroleum Corporation

Well: HWY 'A' #1-25

Location: Sec. 25 - T. 30 S - R. 19 W
W2 NE SE
1980' FSL & 990' FEL
Alford South Area
Kiowa County, KS

API #: 15-097-21810-00-00

Elevation: KB: 2241' GL: 2232'

Contractor: Sterling Drilling : Rig #4

Geologist: Zach Wiele

GEOLOGIST ON LOCATION @: 9:20 am on 10/26/14 4580'

31' Kelly Down Samples @ 3900'

3800

3850

Ls Crm-Wht, Fxln, poor-fair PP Inxln por, sli foss w/poor develp disol vugs, chlky, Sh Drk Gry-Gry-Aqua, soft(gummy) fiss, sli silty, no odr, no flor, no stn, NS

3900

Ls Crm-Wht-Lt Gry, Fxln micrite grad poor-fair PP Inxln por, sli foss w/poor develp disol vugs, fri, chlky, Sh Gry-Brn-Drk Red-Aqua, soft slaty fiss, sli calc, Trc Chrt Wht op fresh, no odr, no flor, no stn, NS

MUD DISPLACEMENT
@ 3646'

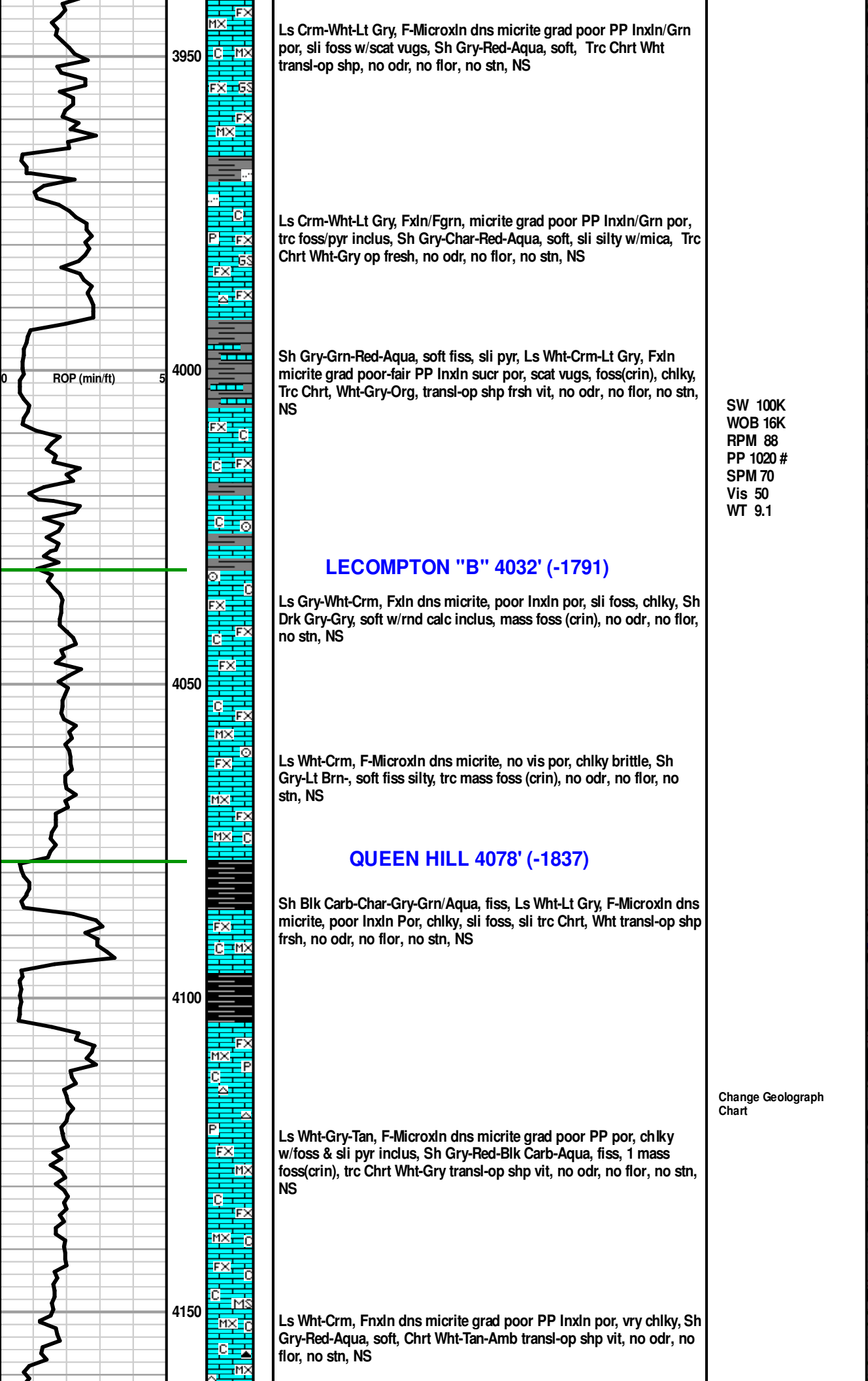
SW 98K
WOB 16K
RPM 92-94
PP 980 #
SPM 70
Vis 47
WT 9.0

TG
C1
C2
C3
C4

0 TG 50
0 C1 50
0 C2 50
0 C3 50
0 C4 50

Scale Change
0 TG 50
0 C1 50
0 C2 50
0 C3 50
0 C4 1000

C4 = 850



Ls Crm-Wht-Lt Gry, F-Microxln dns micrite grad poor PP Inxln/Grn por, sli foss w/scat vugs, Sh Gry-Red-Aqua, soft, Trc Chrt Wht transl-op shp, no odr, no flor, no stn, NS

Ls Crm-Wht-Lt Gry, Fxln/Fgrn, micrite grad poor PP Inxln/Grn por, trc foss/pyr inclus, Sh Gry-Char-Red-Aqua, soft, sli silty w/mica, Trc Chrt Wht-Gry op fresh, no odr, no flor, no stn, NS

Sh Gry-Grn-Red-Aqua, soft fiss, sli pyr, Ls Wht-Crm-Lt Gry, Fxln micrite grad poor-fair PP Inxln sucr por, scat vugs, foss(crin), chlky, Trc Chrt, Wht-Gry-Org, transl-op shp frsh vit, no odr, no flor, no stn, NS

SW 100K
WOB 16K
RPM 88
PP 1020 #
SPM 70
Vis 50
WT 9.1

LECOMPTON "B" 4032' (-1791)

Ls Gry-Wht-Crm, Fxln dns micrite, poor Inxln por, sli foss, chlky, Sh Drk Gry-Gry, soft w/rnd calc inclus, mass foss (crin), no odr, no flor, no stn, NS

Ls Wht-Crm, F-Microxln dns micrite, no vis por, chlky brittle, Sh Gry-Lt Brn-, soft fiss silty, trc mass foss (crin), no odr, no flor, no stn, NS

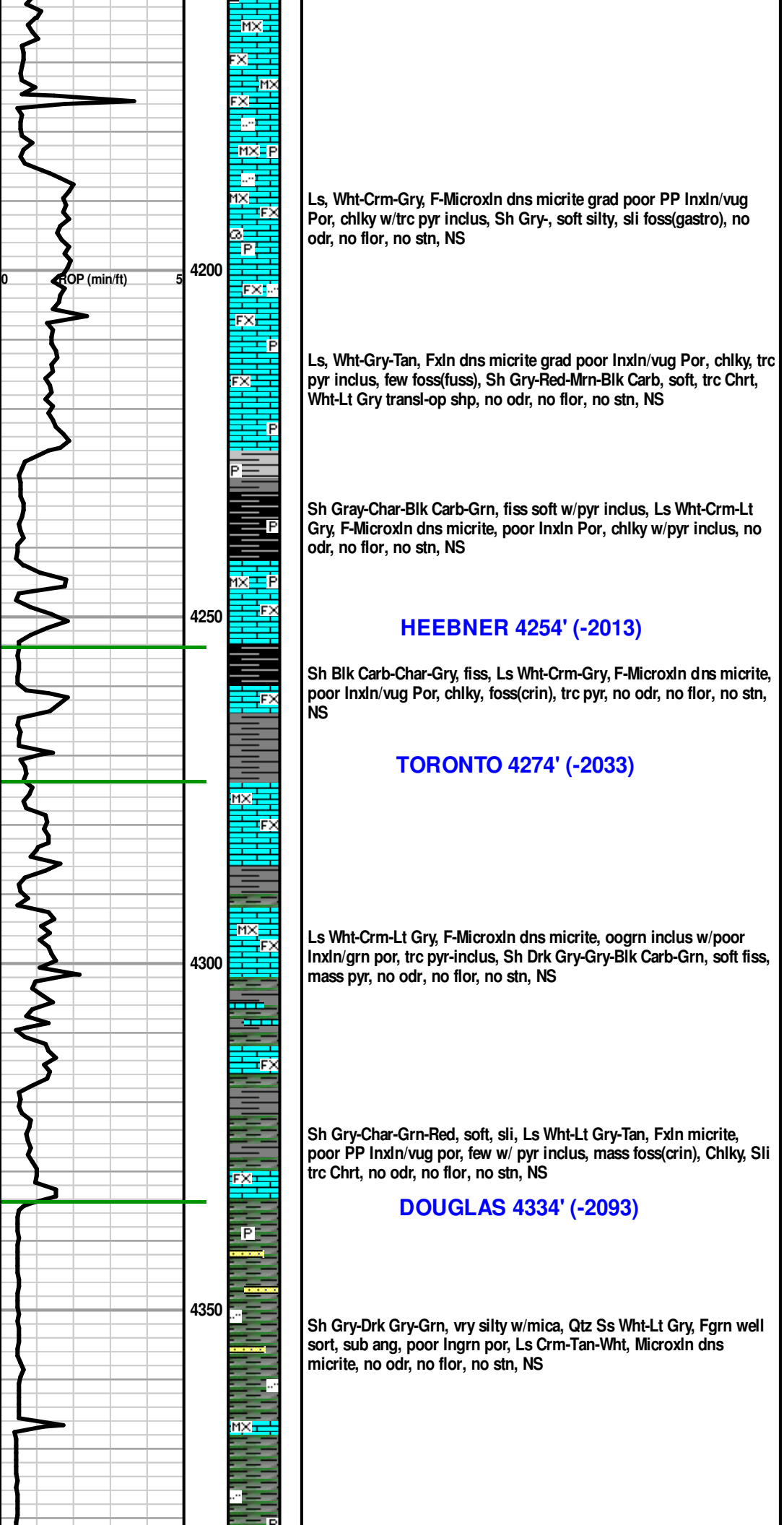
QUEEN HILL 4078' (-1837)

Sh Blk Carb-Char-Gry-Grn/Aqua, fiss, Ls Wht-Lt Gry, F-Microxln dns micrite, poor Inxln Por, chlky, sli foss, sli trc Chrt, Wht transl-op shp frsh, no odr, no flor, no stn, NS

Change Geolograph Chart

Ls Wht-Gry-Tan, F-Microxln dns micrite grad poor PP por, chlky w/foss & sli pyr inclus, Sh Gry-Red-Blk Carb-Aqua, fiss, 1 mass foss(crin), trc Chrt Wht-Gry transl-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm, Fnxln dns micrite grad poor PP Inxln por, vry chlky, Sh Gry-Red-Aqua, soft, Chrt Wht-Tan-Amb transl-op shp vit, no odr, no flor, no stn, NS



Ls, Wht-Crm-Gry, F-Microxln dns micrite grad poor PP Inxln/vug Por, chlky w/trc pyr inclus, Sh Gry-, soft silty, sli foss(gastro), no odr, no flor, no stn, NS

Ls, Wht-Gry-Tan, Fxln dns micrite grad poor Inxln/vug Por, chlky, trc pyr inclus, few foss(fuss), Sh Gry-Red-Mrn-Blk Carb, soft, trc Chrt, Wht-Lt Gry transl-op shp, no odr, no flor, no stn, NS

Sh Gray-Char-Blk Carb-Grn, fiss soft w/pyr inclus, Ls Wht-Crm-Lt Gry, F-Microxln dns micrite, poor Inxln Por, chlky w/pyr inclus, no odr, no flor, no stn, NS

HEEBNER 4254' (-2013)

Sh Blk Carb-Char-Gry, fiss, Ls Wht-Crm-Gry, F-Microxln dns micrite, poor Inxln/vug Por, chlky, foss(crin), trc pyr, no odr, no flor, no stn, NS

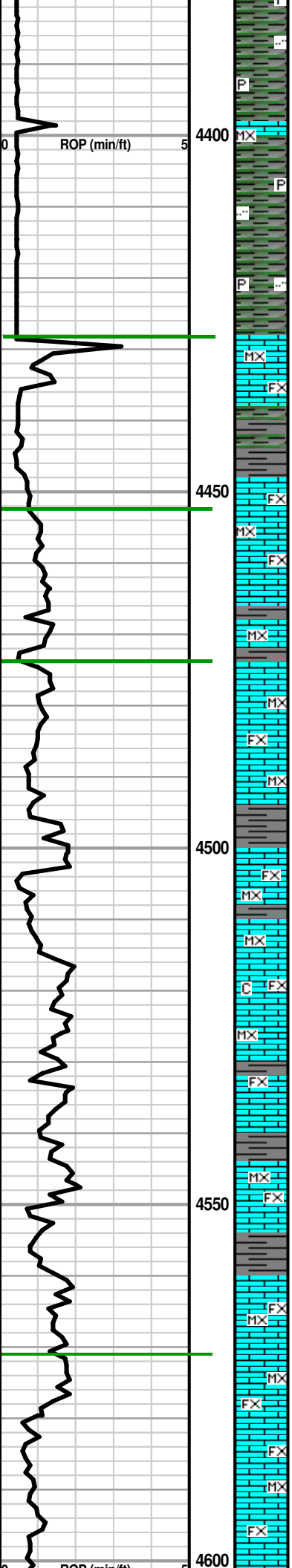
TORONTO 4274' (-2033)

Ls Wht-Crm-Lt Gry, F-Microxln dns micrite, oogrn inclus w/poor Inxln/grn por, trc pyr-inclus, Sh Drk Gry-Gry-Blk Carb-Grn, soft fiss, mass pyr, no odr, no flor, no stn, NS

Sh Gry-Char-Grn-Red, soft, sli, Ls Wht-Lt Gry-Tan, Fxln micrite, poor PP Inxln/vug por, few w/ pyr inclus, mass foss(crin), Chlky, Sli trc Chrt, no odr, no flor, no stn, NS

DOUGLAS 4334' (-2093)

Sh Gry-Drk Gry-Grn, vry silty w/mica, Qtz Ss Wht-Lt Gry, Fgrn well sort, sub ang, poor Ingrn por, Ls Crm-Tan-Wht, Microxln dns micrite, no odr, no flor, no stn, NS



Sh Gry-Drk Gry-Char-Red-Grn, vry silty w/mica and pyr inclus Ls Crm-Tan-Wht, Microxln dns micrite, no odr, no flor, no stn, NS

Sh Gry-Lt Gry-Lt Brn, soft silty in pt w/strks pyr, Trc Ls Tan-Gry-Crm, F-Microxln micrite, sli oolithic w/foss inclus, poor PP Inxln Por, mass foss(gastro), no odr, no flor, no stn, NS

BROWN LIME 4428' (-2187)

LANSING 4452' (-2211)

LANSING "B" 4474' (-2233)

SW 106K
WOB 16K
RPM 90
PP 975 #
SPM 70
Vis 47
WT 9.3

Ls Wht-Gry-Tan, Fxln micrite, oolithic w/foss inclus (sml-med ool grns in plc), vpoor Inxln por, Sh Gry-Lt Brn-Mrn-Red-Aqua soft fiss, silty in prt, mass pyr, no odr, no flor, no stn, NS

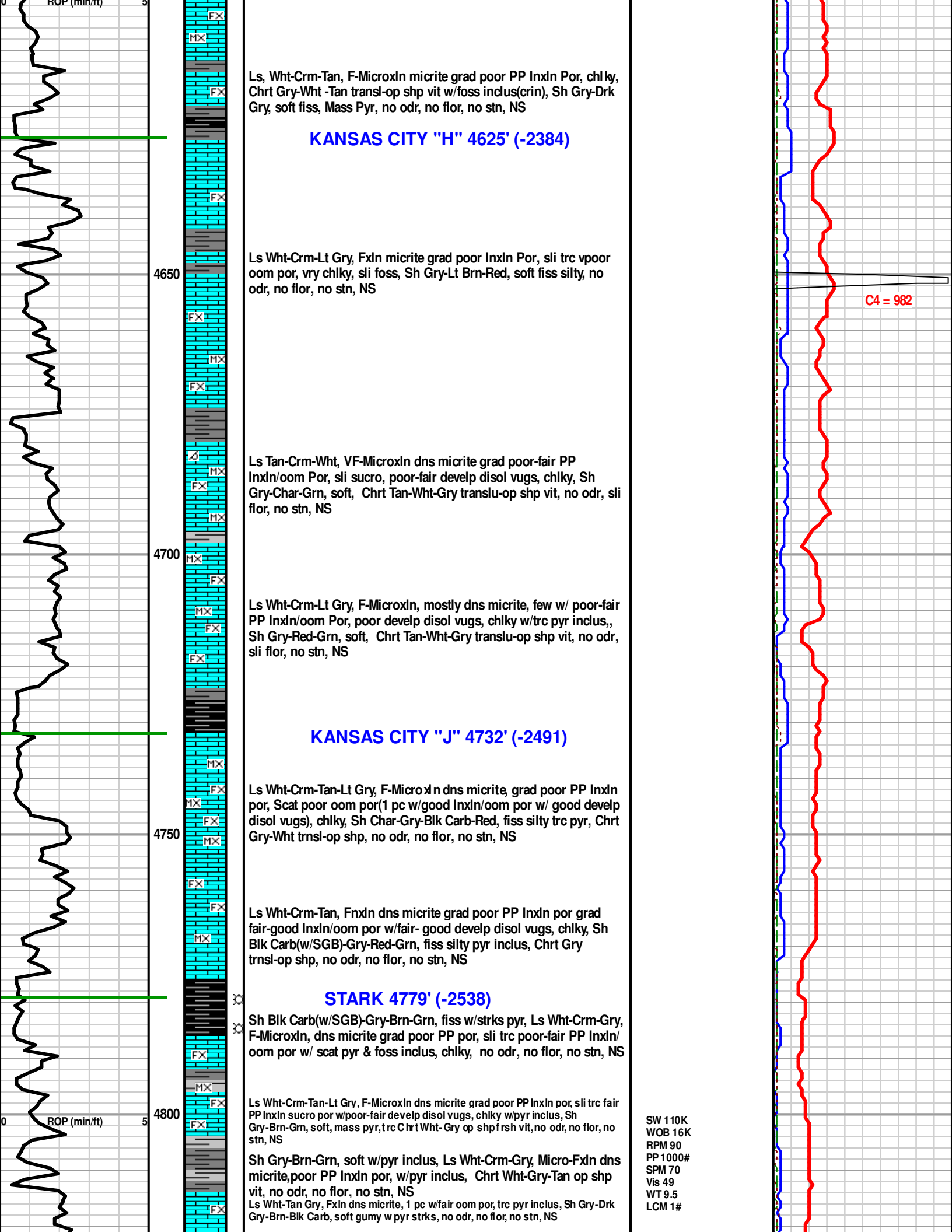
Mudco Ck @ 4525' @ 8:30 AM 10/26/14 Vis=42; WT=9.4#; PV=14; YP= 15; WL=13.4; Cake=2; Chl=7,000; Cal =440 ; Sol=7.4%. LCM= TRC#; DMC=$ 1,267.35 CMC=$ 9,943.95

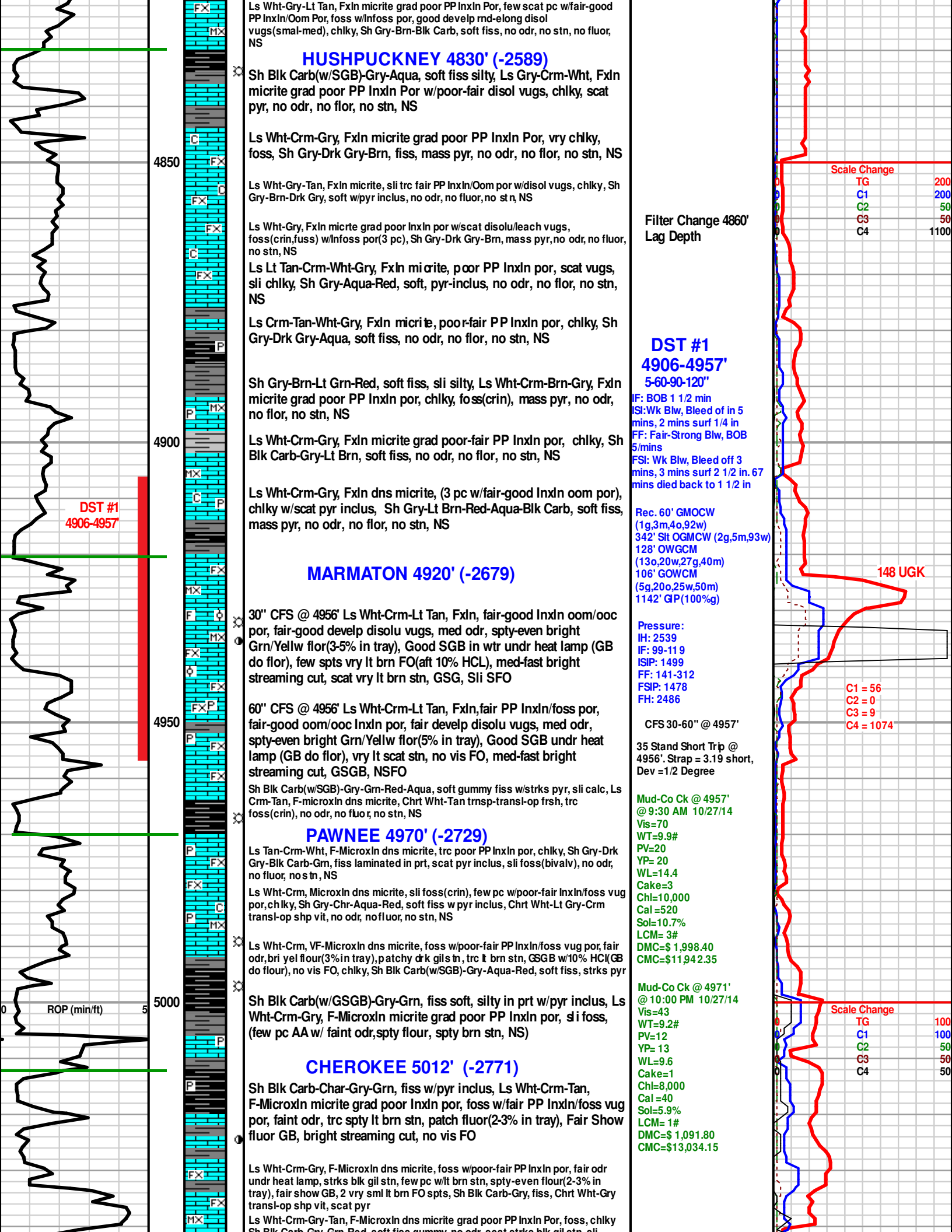
Sh Gry-Chr-Grn, soft silty, mass pyr, Ls Wht-Crm-Gry, F-Microxln dns micrite, poor PP Inxln por, chlky, Chrt Wht-Tan-Gry transl-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Tan-Lt Gry, F-Microxln dns micrite, poor PP Inxln/Gran Por w/scat vugs, chlky, Sh Gry-Brn-Red, soft silty, trc Chrt Tan op shp, mass pyr, foss, no odr, no flor, no stn, NS

LANSING "F" 4571' (-2330)

Ls Wht-Crm-Lt Gry, F-Microxln dns micrite, poor PP Inxln/Gran Por,trc ool grn in plc, chlky w/foss inclus, Sh Gry-Red-Drk Gry, soft, sli silty, trc Chrt Tan-Gry op shp vit, mass pyr, no odr, no flor, no stn, NS


0
ROP (min/ft)
5
4650
4700
4750
4800
0
ROP (min/ft)
5
FX
MX
Ls, Wht-Crm-Tan, F-Microxln micrite grad poor PP Inxln Por, chlky, Chrt Gry-Wht -Tan transl-op shp vit w/foss inclus(crin), Sh Gry-Drk Gry, soft fiss, Mass Pyr, no odr, no flor, no stn, NS
KANSAS CITY "H" 4625' (-2384)
Ls Wht-Crm-Lt Gry, Fxln micrite grad poor Inxln Por, sli trc vpoor oom por, vry chlky, sli foss, Sh Gry-Lt Brn-Red, soft fiss silty, no odr, no flor, no stn, NS
C4 = 982
Ls Tan-Crm-Wht, VF-Microxln dns micrite grad poor-fair PP Inxln/oom Por, sli sucro, poor-fair develp disol vugs, chlky, Sh Gry-Char-Grn, soft, Chrt Tan-Wht-Gry translu-op shp vit, no odr, sli flor, no stn, NS
Ls Wht-Crm-Lt Gry, F-Microxln, mostly dns micrite, few w/ poor-fair PP Inxln/oom Por, poor develp disol vugs, chlky w/trc pyr inclus,, Sh Gry-Red-Grn, soft, Chrt Tan-Wht-Gry translu-op shp vit, no odr, sli flor, no stn, NS
KANSAS CITY "J" 4732' (-2491)
Ls Wht-Crm-Tan-Lt Gry, F-Microxln dns micrite, grad poor PP Inxln por, Scat poor oom por(1 pc w/good Inxln/oom por w/ good develp disol vugs), chlky, Sh Char-Gry-Blk Carb-Red, fiss silty trc pyr, Chrt Gry-Wht trnsl-op shp, no odr, no flor, no stn, NS
Ls Wht-Crm-Tan, Fnxln dns micrite grad poor PP Inxln por grad fair-good Inxln/oom por w/fair- good develp disol vugs, chlky, Sh Blk Carb(w/SGB)-Gry-Red-Grn, fiss silty pyr inclus, Chrt Gry trnsl-op shp, no odr, no flor, no stn, NS
STARK 4779' (-2538)
Sh Blk Carb(w/SGB)-Gry-Brn-Grn, fiss w/strks pyr, Ls Wht-Crm-Gry, F-Microxln, dns micrite grad poor PP por, sli trc poor-fair PP Inxln/ oom por w/ scat pyr & foss inclus, chlky, no odr, no flor, no stn, NS
Ls Wht-Crm-Tan-Lt Gry, F-Microxln dns micrite grad poor PP Inxln por, sli trc fair PP Inxln sucro por w/poor-fair develp disol vugs, chlky w/pyr inclus, Sh Gry-Brn-Grn, soft, mass pyr, trc Chrt Wht-Gry op shp frsh vit, no odr, no flor, no stn, NS
Sh Gry-Brn-Grn, soft w/pyr inclus, Ls Wht-Crm-Gry, Micro-Fxln dns micrite, poor PP Inxln por, w/pyr inclus, Chrt Wht-Gry-Tan op shp vit, no odr, no flor, no stn, NS
Ls Wht-Tan Gry, Fxln dns micrite, 1 pc w/fair oom por, trc pyr inclus, Sh Gry-Drk Gry-Brn-Blk Carb, soft gumy w pyr strks, no odr, no flor, no stn, NS
SW 110K
WOB 16K
RPM 90
PP 1000#
SPM 70
Vis 49
WT 9.5
LCM 1#



Ls Wht-Gry-Lt Tan, Fxln micrite grad poor PP Inxln Por, few scat pc w/fair-good PP Inxln/Oom Por, foss w/Infoss por, good develp rnd-elong disol vugs(smal-med), chlky, Sh Gry-Brn-Blk Carb, soft fiss, no odr, no stn, no fluor, NS

HUSHPUCKNEY 4830' (-2589)

Sh Blk Carb(w/SGB)-Gry-Aqua, soft fiss silty, Ls Gry-Crm-Wht, Fxln micrite grad poor PP Inxln Por w/poor-fair disol vugs, chlky, scat pyr, no odr, no flor, no stn, NS

Ls Wht-Crm-Gry, Fxln micrite grad poor PP Inxln Por, vry chlky, foss, Sh Gry-Drk Gry-Brn, fiss, mass pyr, no odr, no flor, no stn, NS

Ls Wht-Gry-Tan, Fxln micrite, sli trc fair PP Inxln/Oom por w/disol vugs, chlky, Sh Gry-Brn-Drk Gry, soft w/pyr inclus, no odr, no fluor, no stn, NS

Ls Wht-Gry, Fxln micrte grad poor Inxln por w/scat disolu/leach vugs, foss(crin,fuss) w/Infoss por(3 pc), Sh Gry-Drk Gry-Brn, mass pyr, no odr, no fluor, no stn, NS

Ls Lt Tan-Crm-Wht-Gry, Fxln micrite, poor PP Inxln por, scat vugs, sli chlky, Sh Gry-Aqua-Red, soft, pyr-inclus, no odr, no flor, no stn, NS

Ls Crm-Tan-Wht-Gry, Fxln micrite, poor-fair PP Inxln por, chlky, Sh Gry-Drk Gry-Aqua, soft fiss, no odr, no flor, no stn, NS

Sh Gry-Brn-Lt Grn-Red, soft fiss, sli silty, Ls Wht-Crm-Brn-Gry, Fxln micrite grad poor PP Inxln por, chlky, foss(crin), mass pyr, no odr, no flor, no stn, NS

Ls Wht-Crm-Gry, Fxln micrite grad poor-fair PP Inxln por, chlky, Sh Blk Carb-Gry-Lt Brn, soft fiss, no odr, no flor, no stn, NS

Ls Wht-Crm-Gry, Fxln dns micrite, (3 pc w/fair-good Inxln oom por), chlky w/scat pyr inclus, Sh Gry-Lt Brn-Red-Aqua-Blk Carb, soft fiss, mass pyr, no odr, no flor, no stn, NS

MARMATON 4920' (-2679)

30" CFS @ 4956' Ls Wht-Crm-Lt Tan, Fxln, fair-good Inxln oom/ooc por, fair-good develp disolu vugs, med odr, spty-even bright Grn/Yellw flor(3-5% in tray), Good SGB in wtr undr heat lamp (GB do flor), few spts vry lt brn FO(aft 10% HCL), med-fast bright streaming cut, scat vry lt brn stn, GSG, Sli SFO

60" CFS @ 4956' Ls Wht-Crm-Lt Tan, Fxln,fair PP Inxln/foss por, fair-good oom/ooc Inxln por, fair develp disolu vugs, med odr, spty-even bright Grn/Yellw flor(5% in tray), Good SGB undr heat lamp (GB do flor), vry lt scat stn, no vis FO, med-fast bright streaming cut, GSGB, NSFO

Sh Blk Carb(w/SGB)-Gry-Grn-Red-Aqua, soft gummy fiss w/strks pyr, sli calc, Ls Crm-Tan, F-microxln dns micrite, Chrt Wht-Tan trnsp-transl-op frsh, trc foss(crin), no odr, no fluor, no stn, NS

PAWNEE 4970' (-2729)

Ls Tan-Crm-Wht, F-Microxln dns micrite, trc poor PP Inxln por, chlky, Sh Gry-Drk Gry-Blk Carb-Grn, fiss laminated in prt, scat pyr inclus, sli foss(bivalv), no odr, no fluor, no stn, NS

Ls Wht-Crm, Microxln dns micrite, sli foss(crin), few pc w/poor-fair Inxln/foss vug por, chlky, Sh Gry-Chr-Aqua-Red, soft fiss w pyr inclus, Chrt Wht-Lt Gry-Crm transl-op shp vit, no odr, no fluor, no stn, NS

Ls Wht-Crm, VF-Microxln dns micrite, foss w/poor-fair PP Inxln/foss vug por, fair odr, bri yel flour(3% in tray), patchy drk gils tn, trc lt brn stn, GSGB w/10% HCl(GB do flour), no vis FO, chlky, Sh Blk Carb(w/SGB)-Gry-Aqua-Red, soft fiss, strks pyr

Sh Blk Carb(w/GSGB)-Gry-Grn, fiss soft, silty in prt w/pyr inclus, Ls Wht-Crm-Gry, F-Microxln micrite grad poor PP Inxln por, sli foss, (few pc AA w/ faint odr, spty flour, spty brn stn, NS)

CHEROKEE 5012' (-2771)

Sh Blk Carb-Char-Gry-Grn, fiss w/pyr inclus, Ls Wht-Crm-Tan, F-Microxln micrite grad poor Inxln por, foss w/fair PP Inxln/foss vug por, faint odr, trc spty lt brn stn, patch fluor(2-3% in tray), Fair Show fluor GB, bright streaming cut, no vis FO

Ls Wht-Crm-Gry, F-Microxln dns micrite, foss w/poor-fair PP Inxln por, fair odr undr heat lamp, strks blk gil stn, few pc w/lt brn stn, spty-even flour(2-3% in tray), fair show GB, 2 vry sml lt brn FO spts, Sh Blk Carb-Gry, fiss, Chrt Wht-Gry transl-op shp vit, scat pyr

Ls Wht-Crm-Gry-Tan, F-Microxln dns micrite grad poor PP Inxln Por, foss, chlky

Filter Change 4860'
Lag Depth

DST #1
4906-4957'
5-60-90-120"

IF: BOB 1 1/2 min
ISI:Wk Blw, Bleed of in 5 mins, 2 mins surf 1/4 in
FF: Fair-Strong Blw, BOB 5/mins
FSI: Wk Blw, Bleed off 3 mins, 3 mins surf 2 1/2 in. 67 mins died back to 1 1/2 in

Rec. 60' GMOCW (1g,3m,4o,92w)
342' Slt OGMCW (2g,5m,93w)
128' OWGCM (13o,20w,27g,40m)
106' GOWCM (5g,20o,25w,50m)
1142' GIP(100%g)

Pressure:
IH: 2539
IF: 99-119
ISIP: 1499
FF: 141-312
FSIP: 1478
FH: 2486

CFS 30-60" @ 4957'

35 Stand Short Trip @ 4956'. Strap = 3.19 short, Dev =1/2 Degree

Mud-Co Ck @ 4957' @ 9:30 AM 10/27/14
Vis=70
WT=9.9#
PV=20
YP= 20
WL=14.4
Cake=3
Chl=10,000
Cal =520
Sol=10.7%
LCM= 3#
DMC=$ 1,998.40
CMC=$11,942.35

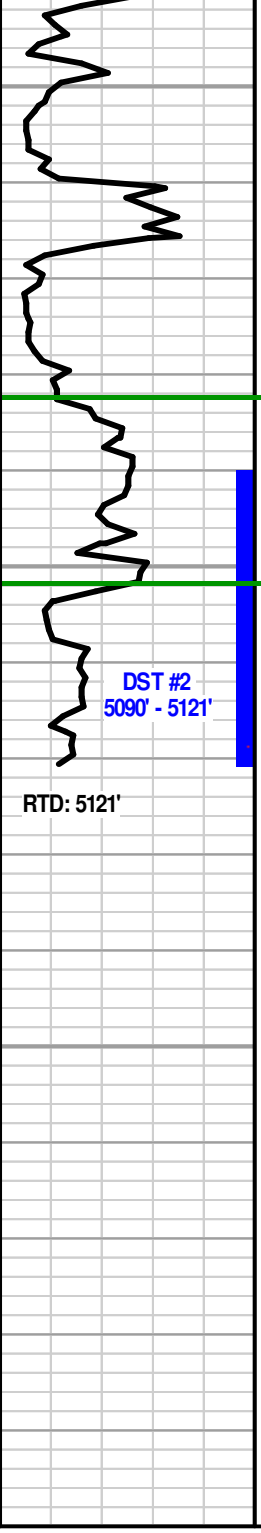
Mud-Co Ck @ 4971' @ 10:00 PM 10/27/14
Vis=43
WT=9.2#
PV=12
YP= 13
WL=9.6
Cake=1
Chl=8,000
Cal =40
Sol=5.9%
LCM= 1#
DMC=$ 1,091.80
CMC=$13,034.15

Scale Change
TG 200
C1 200
C2 50
C3 50
C4 1100

148 UGK

C1 = 56
C2 = 0
C3 = 9
C4 = 1074

Scale Change
TG 100
C1 100
C2 50
C3 50
C4 50



5050

5100

5150

Sh Blk Carb-Gry-Grn-Red, soft fiss gummy, no odr, scat strks blk gil stn, sli flour(from abv),NS

Sh Blk Carb-Gry-Brn-Grn-Red, soft fiss, Ls Wht-Crm-Gry, F-Microxln micrite, poor lnxln por,s cat pyr, no odr, no fluor, no stn, NS

Sh Blk Carb-Gry-Aqua-Red, soft fiss w/pyr inclus, Ls Wht-Crm-Tan, F-Microxln micrite, poor lnxln por,f oss , ma ss pyr,chlky,Chrt Wht-Gry op shp frsh, no odr, no fluor,no stn, NS

Sh Blk Carb-Gry-Grn-Aqua-Red, soft fiss gummy, w/pyr inclus, Ls Wht-Crm-Tan, Fnxln micrite, poor lnxln/vug por, foss,chlky, scat blk gil stn, Chrt Wht-Tan-Gry op shp frsh, no odr, no fluor, no stn, NS

Sh Blk Carb-Gry-Aqua-Brn-Mrn, soft fiss Ls Wht-Crm, F-Microxln micrite, poor-fair PP lnxln por, foss, chlky CaCO3 mud , scat blk gil stn, Chrt Wht-Org-Tan transl-op shp frsh vit, no odr, no fluor, no stn, NS

MISSISSIPPIAN 5082' (-2841)

Ls Wht-Crm, Micro-Fxln micrite grad poor-fair PP lnxln sucro por,w/trc gluc inclus, faint odr, blk gil stn, scat lt brn stn, even fluor(5-6% in try), flour GB & FO spts(aftr 10% HCL), chlky, foss,Sh Gry-Aqua-Grn-Oliv-Mrn-soft fiss, Chrt Wht-Tan-Gry op shp vit

SPERGEN Ø 5102'(-2861)

30" CFS @ 5121' Dol/Ls Tan-Crm-Gry, Fxln, fair-good PP lnxln sucro por, vry friable, sli trc gluc, fair-good odr, sat brn stn, scat blk gil stn, even grn/yel fluor(5% in try), Good Show GB, Good Show FO in tray

60" CFS @ 5121' Dol/Ls Tan-Crm-Gry, Fxln, vgood PP lnxln/vug sucro por, trc gluc inclus, vry friable, good/strng odr, sat brn stn, scat blk gil stn, even grn/yel fluor(50% in try), Good Show GB, Good Show FO in tray, Sh vari color

Geologist released from location @ 8:50 pm on 10/28/2014

RTD 5121'. DST #2 (5090'-5121') Test tool stuck in hole. The tool was jarred free and pulled to surface where it was found to be broken in two. 21 feet of test tool and 31' of anchor remain down hole. Kansas Fishing Tools were notified on 10/28/14. Fishing operations were unsuccessful after attempting for 5 days. The decision was made on 11/2/14 to plug and abandon the well.

Rig released @ 7:00 am on 11/3/2014.

DST # 2
5090' - 5121'

5-45-90-60"

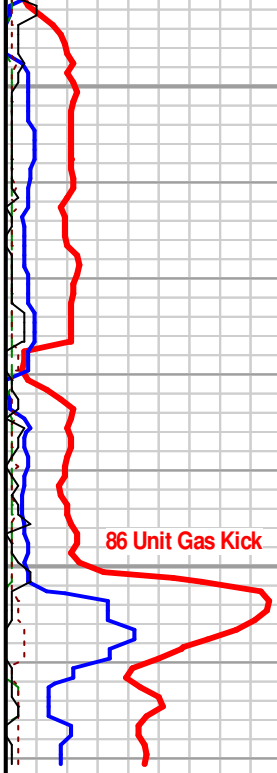
IF: Good Blow, BOB/1"
FF: BOB immed. GTS
68 mins. TSTM.

Test tool slide to bottom and fluid recovery is approximated. Test tool stuck in hole.

Rec: 3980' O&GCM (Appx. 8-10%O,13%G,77-79%M)

IFP: NA ATT
SIP: NA ATT

30"- 60" CFS @ 5121'



BASIC energy services, L.P.

TREATMENT REPORT

Customer: McCoy Pet	Lease No.			Date: 10-22-14	
Lease: HW 4 "A"	Well #: 1-25				
Field Order #: 11494	Station: Pratt	Casing: 13 3/8	Depth: 240'	County: Kiowa	State: KS
Type Job: CNW 13 3/8 Conductor		Formation		Legal Description: 25-30-19	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 13 3/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 240'	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 36	Volume	From	To	Pad	Min		10 Min.
Max Press: 300	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: Swage	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 230'	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative | Station Manager: Dave Scott | Treater: Robert Gillum

Service Units	37900	33708	37920	19905	21010						
Driver Names	Sullivan	Eccles		Phye							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00	4mi				CNW Loc
					Run 13 3/8 csg.
2:50					Casing on Bottom
3:00					Rig circ csg.
			3	3.5	St Spacer
				4.5	mix cmt 350 sk 60/40 poz 3% gel 2% gel 1/4#
			75		cmt mixed
					St Disp
3:30			34		Plug down
					circ 15 BBL cmt Pit
					JOB Complete
					Thank You

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BASIC energy services, L.P.

TREATMENT REPORT

Customer MCCOY Petroleum	Lease No.		Date 10-23-14
Lease H.W.U.A	Well # 1-25		
Field Order # 11495	Station PRATT	Casing 8 5/8 Depth 680	County KIOWA State KS
Type Job CNW 8 5/8 Surface	Formation		Legal Description 25-30-19

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 642	Depth	From	To	Pre Pad	Max		5 Min.
Volume 36	Volume	From	To	Pad	Min		10 Min.
Max Press 500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection P.C	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 600	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager DAVE Scott	Treater Robert Lillard

Service Units	37900	33708	20920	20959	19918							
Driver Names	Robert	Eric D.		Phyl								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:30					on loc
					Run 8 5/8 csg.
11:05					csg. on Bottom
11:15					Hook to circ
11:30			3	3.5	St Spacer
			38	4.5	mix A-con cmt 2% cc 1/4 cf
	200		43	"	mix 60/40 Poz 2% gel 3% cc 1/4 cf
					shut down cmt mix-fin
					Release Plug
				3.5	St Disp
12:15	500		36		Plug down
					circulated 15 BBL cmt to Pit
					SOB Good Job
					Thank you

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BASIC energy services, L.P.

TREATMENT REPORT

Customer: McCoy Petroleum Corporation	Lease No.	Date: 11-3-14	
Lease: H.W.Y. "A"	Well #: 1-25		
Field Order #: 11677	Station: Pratt	Casing:	Depth: 1140
County: Kiowa	State: KS		
Type Job: CNW Plug to Abandon	Formation:	Legal Description: 25-30S-19W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid: CMT 210 SKS	60/40 POZ 490 gel	RATE	PRESS	ISIP
Depth: 1140	Depth	From	To	Pre Pad	Max			5 Min.
Volume	Volume	From	To	Pad	Min			10 Min.
Max Press: 300	Max Press	From	To	Frac	Avg			15 Min.
Well Connection: P.T.	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth: 1140	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative: Dave Oller	Station Manager: Kevin Gordley	Treater: Mike Mattal	
Service Units	37586 / 77686 / 19905 / 19959 / 73768		
Driver Names	Mattal / McGraw / Hanson		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:40 AM					On location / safety meeting
—					1st Plug @ 1140'
2:30		200	11	5	Pump 11 BBL water
2:32		200	13	5	mix 50 sks 60-40 poz
2:36		150	4	5	Pump 4 bbl water
2:37		150	7	5	Pump 7 bbl mud
—		—	—	—	2nd plug @ 690'
3:15		200	11	5	Pump 11 bbl water
3:21		200	13	5	Mix 50 sks 60-40 poz
3:24		150	4	5	Pump 4 bbl water
3:25		150	4	5	Pump 4 bbl mud
—		—	—	—	3rd plug @ 270'
3:47		150	5	5	Pump 5 bbl water
3:49		150	10	5	mix 40 sks 60-40 poz
3:51		150	2	5	Pump 2 bbl water
—		—	—	—	4th plug @ 60'
4:08		100	5	4	mix cmt, cmt to surface
4:22		100	7.5	3	Plug rat + mouse hole
					JOB complete
					Thank You!
					Mike Mattal
					Mike + Josh

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