Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1086416

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 # 5046
Name: Raymond Oil Company, Inc.
Address 1: PO BOX 48788
Address 2:
City: WICHITA State: KS Zip: 67202 + 1822
Contact Person: Ted McHenry
Phone: (316) 267-4214
CONTRACTOR: License # 33793
Name: H2 Drilling LLC
Wellsite Geologist: Max Lovely
Purchaser:

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 #:

3/20/2012	4/7/2012	6/30/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-203-20175-00-00
Spot Description:
NW SW NE SW Sec. 18 Twp. 20 S. R. 35 ☐ East ☑ West
1733 Feet from ☐ North / ☑ South Line of Section
1486 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: Wichita
Lease Name: Brack 18 Well #: 1
Field Name:
Producing Formation: Marm
Elevation: Ground: 3164 Kelly Bushing: 3175
Total Vertical Depth: 5096 Plug Back Total Depth: 5065
Amount of Surface Pipe Set and Cemented at: 264 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 2010 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: 10500 ppm Fluid volume: 1000 bbls
Dewatering method used: Haul Off Pit
Location of fluid disposal if hauled offsite:
Operator Name: Cheyenne
Lease Name: Herndon License #: 7146
Quarter NW Sec. 3 Twp. 19 S. R. 28 ☐ East ☑ West
County: Lane Permit #: D27796

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: 07/12/2012
☑ **Confidential Release Date:** 07/12/2014
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 07/12/2012

1086416

Operator Name: Raymond Oil Company, Inc. Lease Name: Brack 18 Well #: 1

Sec. 18 Twp. 20 S. R. 35 ☐ East ☑ West County: Wichita

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:

micro
Dual Inc
Dual Comp

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

Name	Top	Datum
Anh	2291	+884
Heeb	3940	-766
Lans	3992	-818
Miss	4916	-1442

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
surf	12.25	8.58	23	264	class A	225	3% cc
prod	7.78	4.5	10.5	5065	6040 poz	225	7.5% salt
DV	7.78	4.5	10.5	2010	60/40 poz	400	2% gel

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
2	4488-4506	500 gal ac	4488-4506

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
2 3/8	4560	na	☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 6/30/2012

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	52				30

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:
4488-4506

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

DRILL STEM TEST REPORT

Raymond Oil Company

P.O. Box 48788
Wichita KS, 67202-1822

ATTN: Max Lovely

18-20s-35w

Brack 18 #1

Job Ticket: 45937 **DST#: 1**

Test Start: 2012.04.03 @ 16:20:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:31:45
Time Test Ended: 02:45:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Jace McKinney
Unit No: 46

Interval: 4475.00 ft (KB) To 4594.00 ft (KB) (TVD)
Total Depth: 4504.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

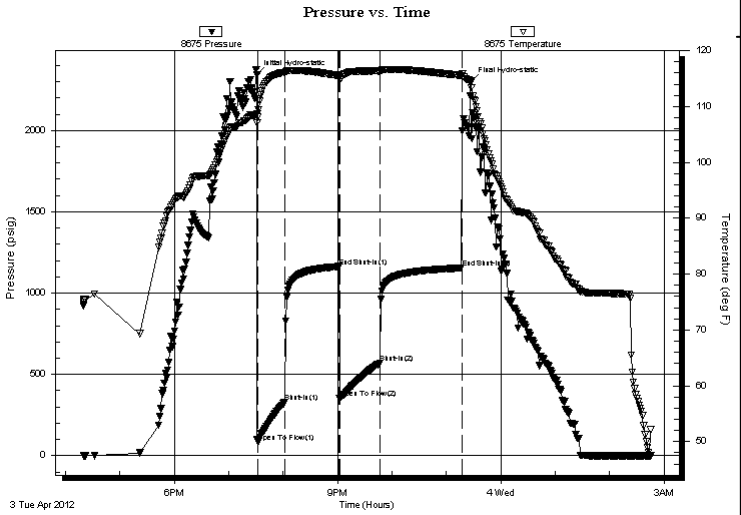
Reference Elevations: 3174.00 ft (KB)
3164.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8675 **Inside**

Press@RunDepth: 572.05 psig @ 4476.00 ft (KB)
Start Date: 2012.04.03 End Date: 2012.04.04
Start Time: 16:20:01 End Time: 02:45:15

Capacity: 8000.00 psig
Last Calib.: 2012.04.04
Time On Btm: 2012.04.03 @ 19:31:15
Time Off Btm: 2012.04.03 @ 23:26:45

TEST COMMENT: B.O.B. in 1 1/2 min.
Bled off for 5 min. B.O.B. in 48 min.
B.O.B. in 5 min.
Bled off for 5 min. B.O.B. in 25 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2344.65	108.72	Initial Hydro-static
1	85.98	108.11	Open To Flow (1)
31	331.26	116.11	Shut-In(1)
91	1163.81	115.53	End Shut-In(1)
91	355.25	115.14	Open To Flow (2)
136	572.05	116.36	Shut-In(2)
226	1154.76	115.57	End Shut-In(2)
236	2302.95	114.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1600 Feet Gas In Pipe	0.00
371.00	mcgo 20%M 30%G 50%O	1.82
846.00	gco 10%G 90%O	11.86
564.00	gco 40%G 60%O	7.91

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company

P.O. Box 48788
Wichita KS, 67202-1822

ATTN: Max Lovely

18-20s-35w

Brack 18 #1

Job Ticket: 45937 **DST#: 1**

Test Start: 2012.04.03 @ 16:20:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	31 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1600 Feet Gas In Pipe	0.000
371.00	mcgo 20%M 30%G 50%O	1.825
846.00	gco 10%G 90%O	11.864
564.00	gco 40%G 60%O	7.911

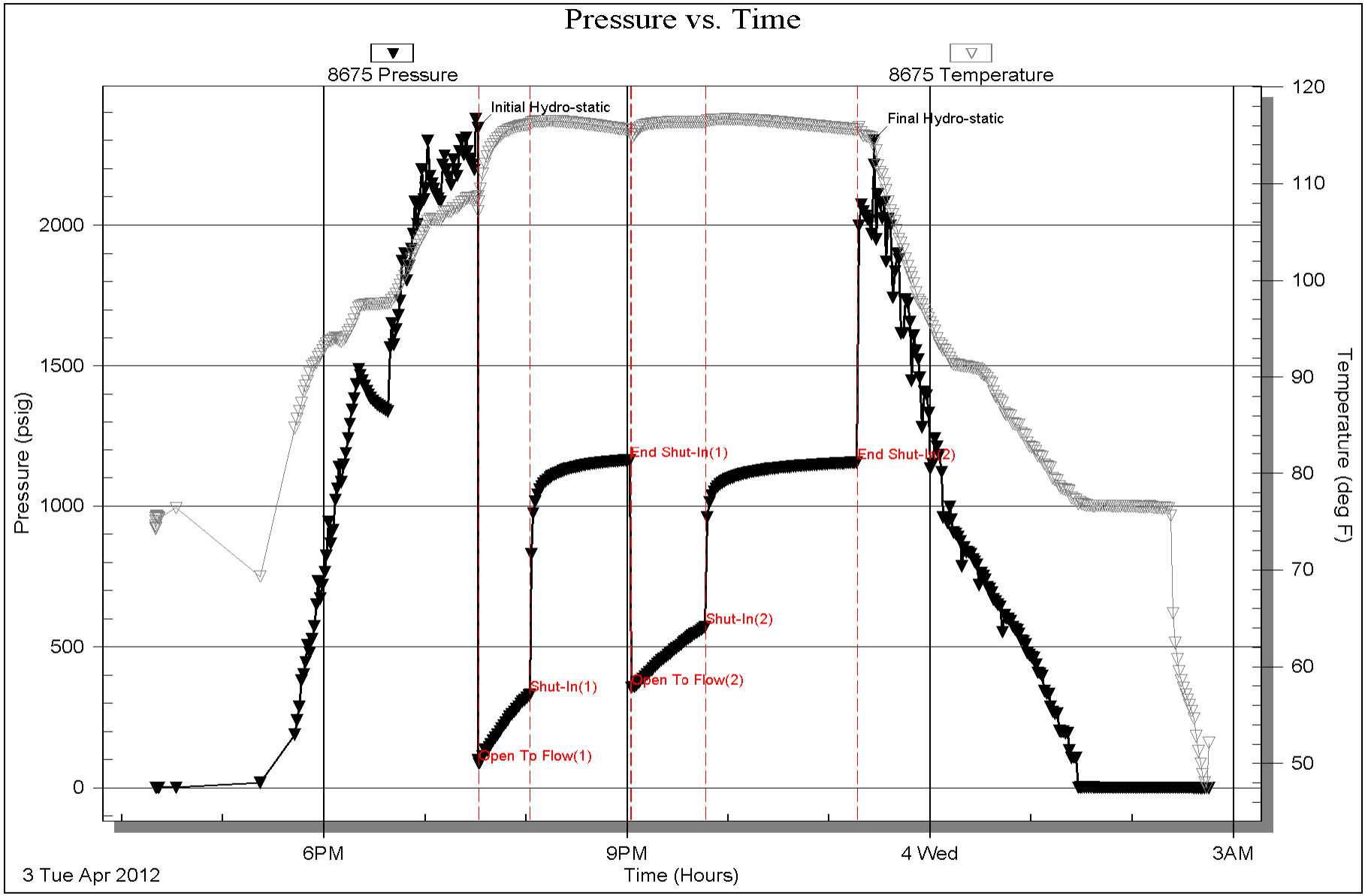
Total Length: 1781.00 ft Total Volume: 21.600 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API: 30 @ 50 F = 31

Serial #: 8675 **Inside** Raymond Oil Company Brack 18 #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 45937 Printed: 2012.04.04 @ 07:59:52

DRILL STEM TEST REPORT

Raymond Oil Company

P.O. Box 48788
Wichita KS, 67202-1822

ATTN: Max Lovely

18-20s-35w

Brack 18 #1

Job Ticket: 45938 **DST#: 2**

Test Start: 2012.04.04 @ 18:00:00

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:26:45
Time Test Ended: 02:16:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Jace McKinney
Unit No: 46

Interval: 4575.00 ft (KB) To 4610.00 ft (KB) (TVD)
Total Depth: 4610.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

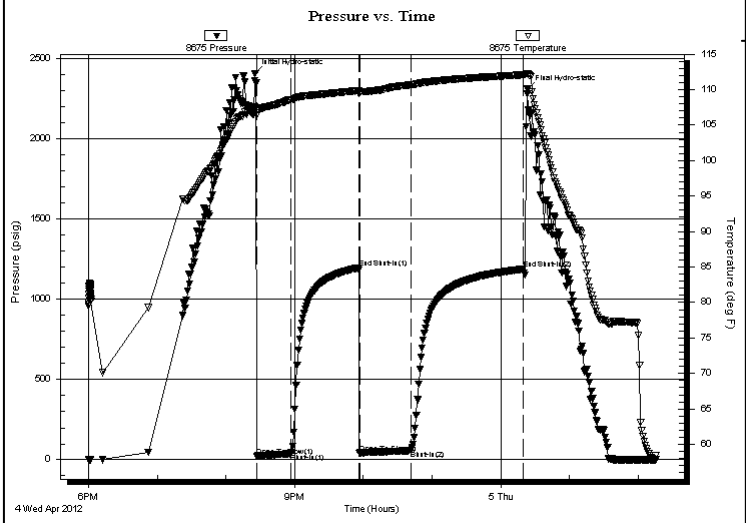
Reference Elevations: 3174.00 ft (KB)
3164.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8675 **Inside**

Press@RunDepth: 57.47 psig @ 4576.00 ft (KB)
Start Date: 2012.04.04 End Date: 2012.04.05
Start Time: 18:00:01 End Time: 02:16:00

Capacity: 8000.00 psig
Last Calib.: 2002.01.01
Time On Btm: 2012.04.04 @ 20:25:30
Time Off Btm: 2012.04.05 @ 00:23:30

TEST COMMENT: Built to 1" blow
No return blow
Weak surface blow
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2409.72	107.47	Initial Hydro-static
2	22.41	106.36	Open To Flow (1)
32	38.15	108.56	Shut-In(1)
91	1197.50	109.88	End Shut-In(1)
91	41.84	109.45	Open To Flow (2)
136	57.47	110.65	Shut-In(2)
234	1188.79	112.09	End Shut-In(2)
238	2311.22	112.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% Mud with few oil spots	0.07

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company

P.O. Box 48788
Wichita KS, 67202-1822

ATTN: Max Lovely

18-20s-35w

Brack 18 #1

Job Ticket: 45938 **DST#: 2**

Test Start: 2012.04.04 @ 18:00:00

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:	ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5600.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

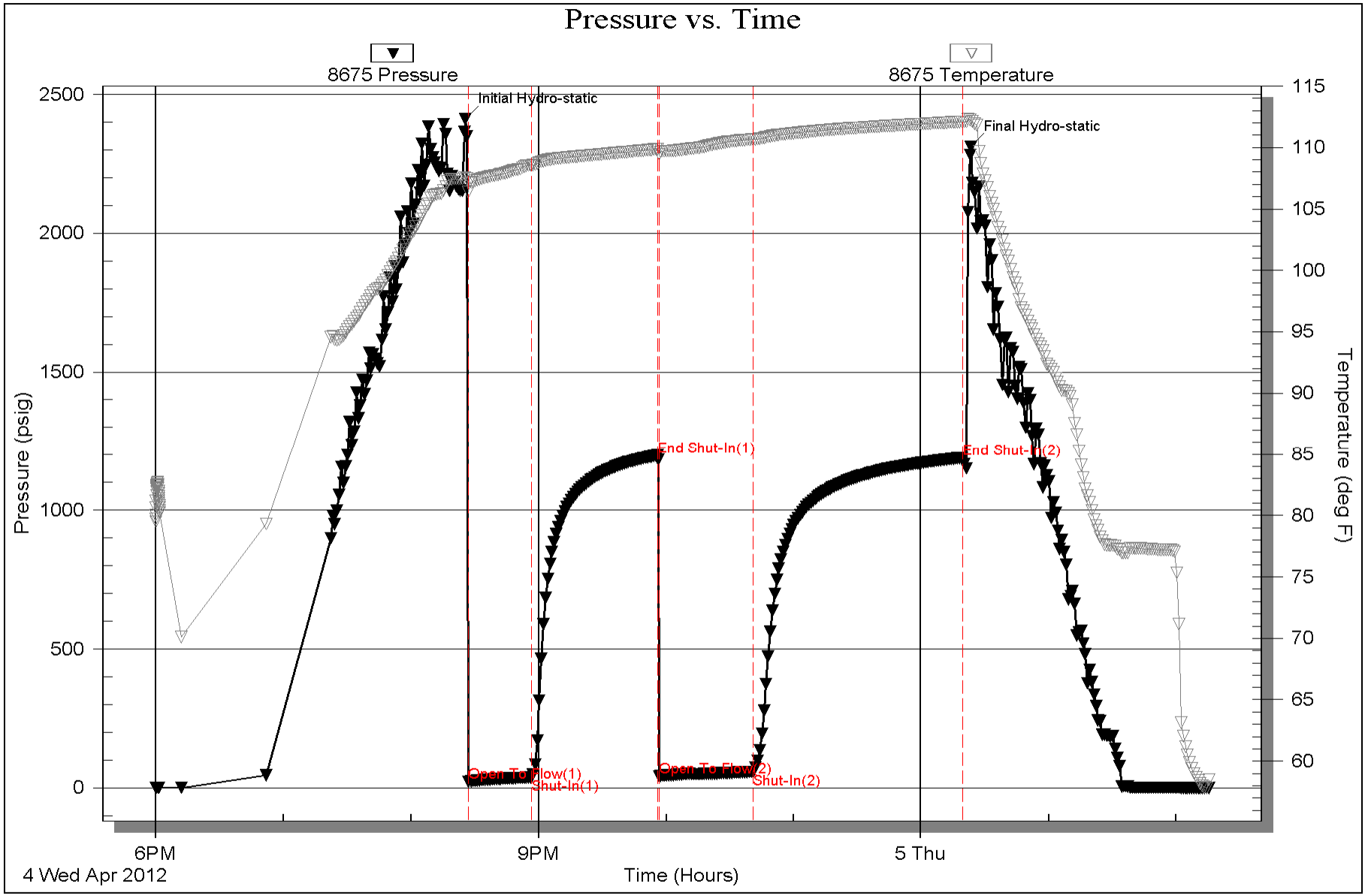
Recovery Table

Length ft	Description	Volume bbl
15.00	100% Mud with few oil spots	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8675 **Inside** Raymond Oil Company Brack 18 #1 DST Test Number: 2



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DRILL STEM TEST REPORT

Raymond Oil Company

P.O. Box 48788
Wichita KS, 67202-1822

ATTN: Max Lovely

18-20s-35w

Brack 18 #1

Job Ticket: 45939 **DST#: 3**

Test Start: 2012.04.06 @ 03:20:00

GENERAL INFORMATION:

Formation: **Atoka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:25:45
Time Test Ended: 12:15:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Jace McKinney
Unit No: 46

Interval: 4725.00 ft (KB) To 4777.00 ft (KB) (TVD)
Total Depth: 4777.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

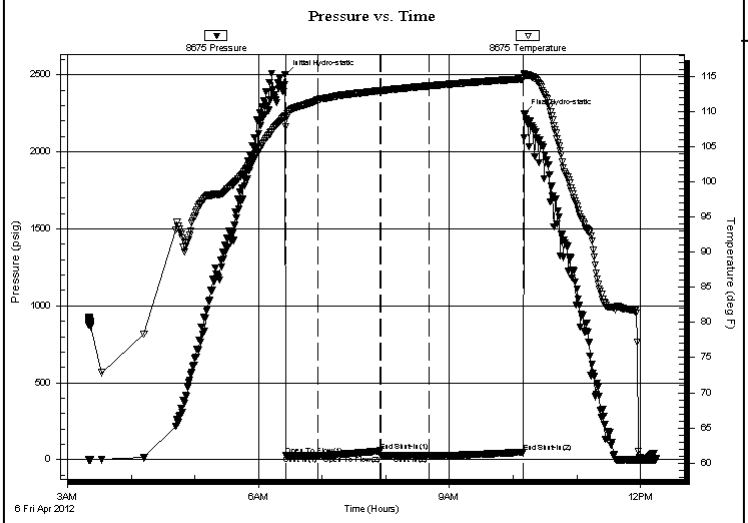
Reference Elevations: 3174.00 ft (KB)
3164.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8675 **Inside**

Press@RunDepth: 27.19 psig @ 4726.00 ft (KB)
Start Date: 2012.04.06 End Date: 2012.04.06
Start Time: 03:20:01 End Time: 12:15:00

Capacity: 8000.00 psig
Last Calib.: 2002.01.02
Time On Btm: 2012.04.06 @ 06:25:30
Time Off Btm: 2012.04.06 @ 10:10:45

TEST COMMENT: Built to 1/4" blow
No return blow
Weak surface blow
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2500.82	109.35	Initial Hydro-static
1	30.95	107.86	Open To Flow (1)
31	28.55	111.65	Shut-In(1)
89	58.12	112.95	End Shut-In(1)
90	28.00	112.95	Open To Flow (2)
135	27.19	113.62	Shut-In(2)
224	49.48	114.63	End Shut-In(2)
226	2245.78	115.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Raymond Oil Company

P.O. Box 48788
Wichita KS, 67202-1822

ATTN: Max Lovely

18-20s-35w

Brack 18 #1

Job Ticket: 45939 **DST#: 3**

Test Start: 2012.04.06 @ 03:20:00

GENERAL INFORMATION:

Formation: **Atoka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:25:45
Time Test Ended: 12:15:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Jace McKinney
Unit No: 46

Interval: 4725.00 ft (KB) To 4777.00 ft (KB) (TVD)
Total Depth: 4777.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

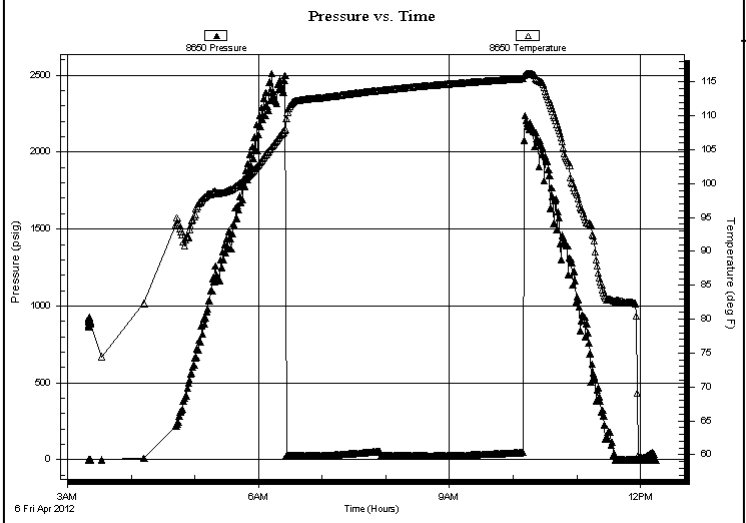
Reference Elevations: 3174.00 ft (KB)
3164.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8650 **Outside**

Press@RunDepth: psig @ 4726.00 ft (KB)
Start Date: 2012.04.06 End Date: 2012.04.06
Start Time: 03:20:01 End Time: 12:14:45

Capacity: 8000.00 psig
Last Calib.: 2002.01.02
Time On Btm:
Time Off Btm:

TEST COMMENT: Built to 1/4" blow
No return blow
Weak surface blow
No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company

P.O. Box 48788
Wichita KS, 67202-1822

ATTN: Max Lovely

18-20s-35w

Brack 18 #1

Job Ticket: 45939 **DST#: 3**

Test Start: 2012.04.06 @ 03:20:00

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:	ppm
Viscosity:	59.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7300.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

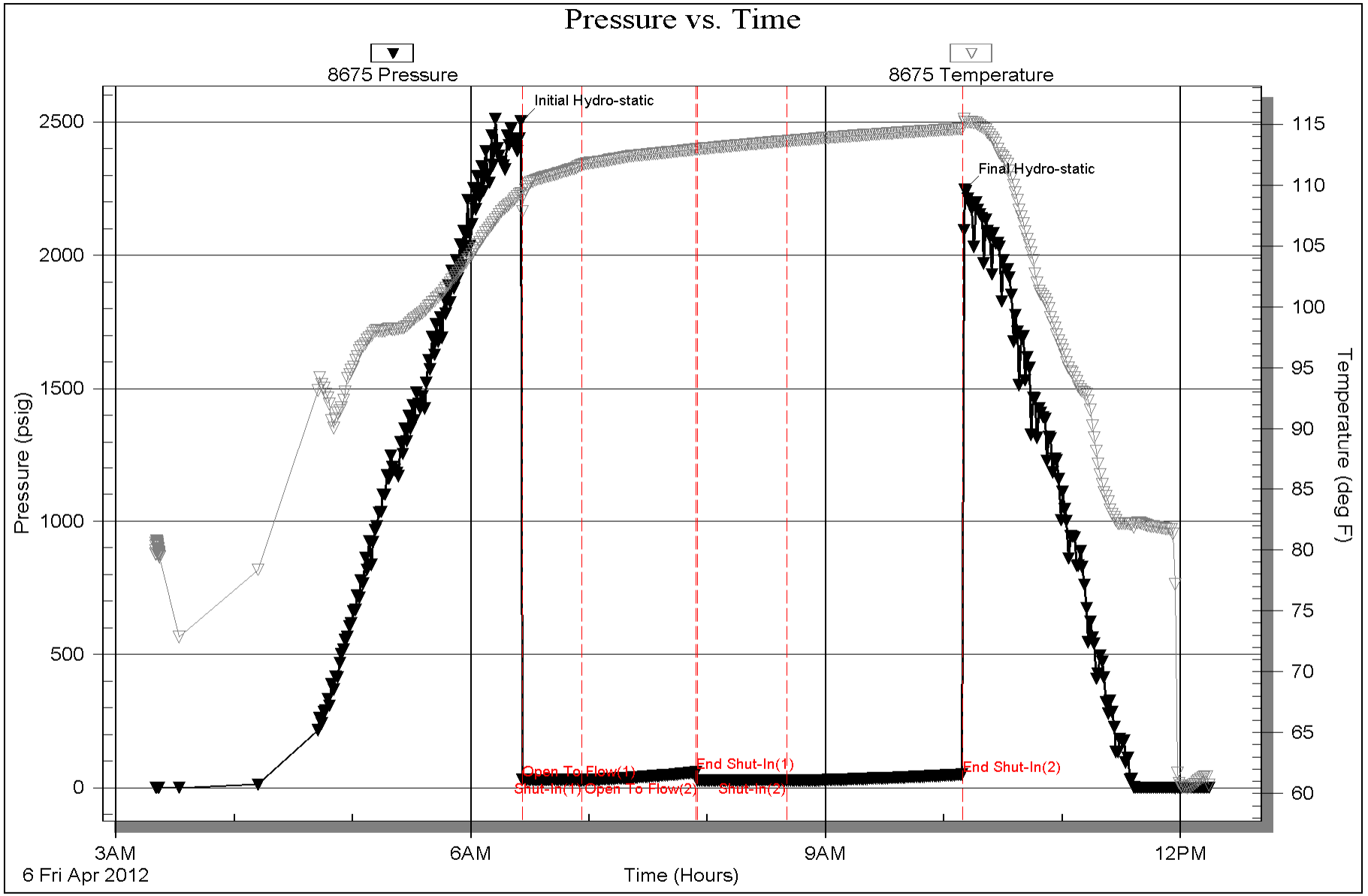
Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

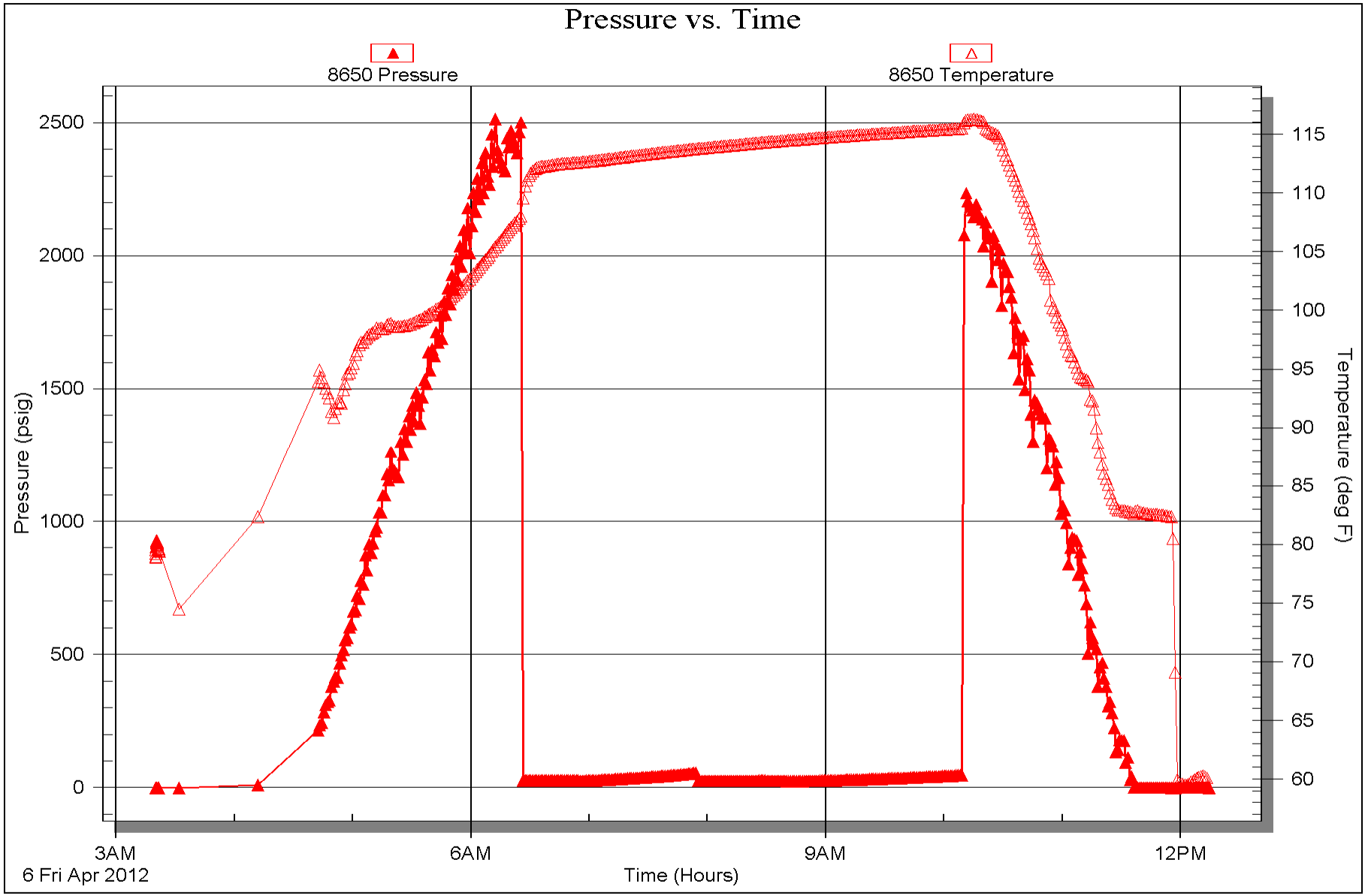
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8675 **Inside** Raymond Oil Company Brack 18 #1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 45939 Printed: 2012.04.06 @ 15:54:20

Serial #: 8650 **Outside** Raymond Oil Company Brack 18 #1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 45939 Printed: 2012.04.06 @ 15:54:20

Max R. Lovely

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Raymond Oil Co.
LEASE #1 Brack 18
FIELD Wildcat
LOCATION NW SW NE SW
SEC 18 TWSP 20 RGE 35W
COUNTY Wichita STATE KS
CONTRACTOR H2 #1
SPUD 3-29-12 COMP 4-7-2012
RTD 5092 LTD 5096
MUD UP 3435 TYPE MUD Chem

ELEVATIONS
KB 3174
DF
GL 3163
Measurements Are All From KB

CASING
SURFACE 8 5/8 @ 264'
PRODUCTION 4½

ELECTRICAL SURVEYS
DI MICRO
COMP NID

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION A	B	C
B/Anhydrite						
Stotler		3570	-346	-347		
Heebner	3940	3942	-768	-769		
Lansing	3992	3994	-820	-820		
Stark	4293	4294	-1120	-1130		
Marmaton	4484	4478	-1304	-1312		
Ft Scott	4622	4618	-1444	-1454		
Johnson	4692	4697	-1523	-1527		
Atoka	4749	4743	-1569	-1574		
Morrow SH	4836	4830	-1656	-1670		
St Genovieve	4913	4916	-1742	-1741		
St Louis	5005	5004	-1830	-1840		

REFERENCE WELLS FOR STRUCTURE

A Raymond #1 Horton-Brack NW NE NW NE 19-20-35W
B
C

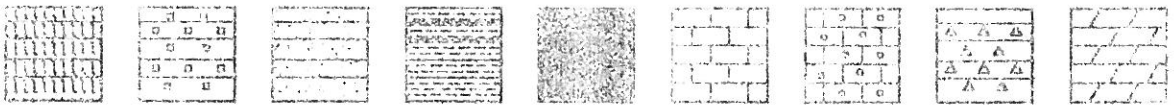
SITIVE DST IN THE MARMATON CAUSE THE #1 BROCK 18 TO HAVE

½" PRODUCTION CASING SET FOR OIL PRODUCTION

RESPECTFULLY SUBMITTED

Wm K. Lueg

LEGEND



Anhydrite Salt Sandstone Shale Carb sh Limestone Ool.Lime Chert Dolomite

IE IN MINUTES R FOOT ation Decreased	DEPTH	STRUCTURE	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
C					
C	DEV 3/4°				
C					
	3500				
C					

Anhydrite Salt Sandstone Shale Calc sh. Limestone Cht.Lime Chert Dolomite

DRILLING TIME IN MINUTES
PER FOOT
Rate of Penetration Decreases

5' 10" 15" 20" 25"

DEPTH

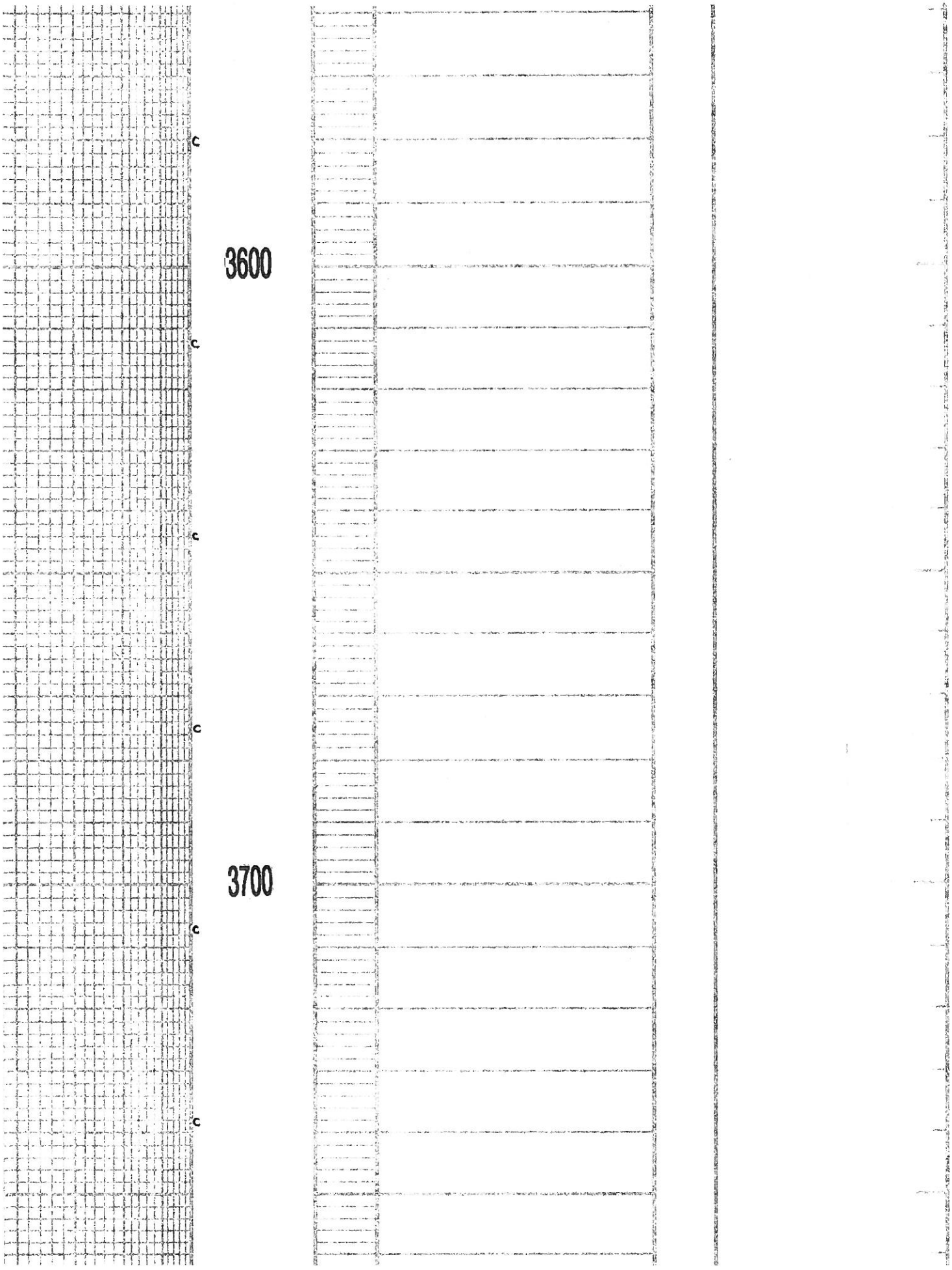
SAMPLE DESCRIPTIONS

OIL SHOWS

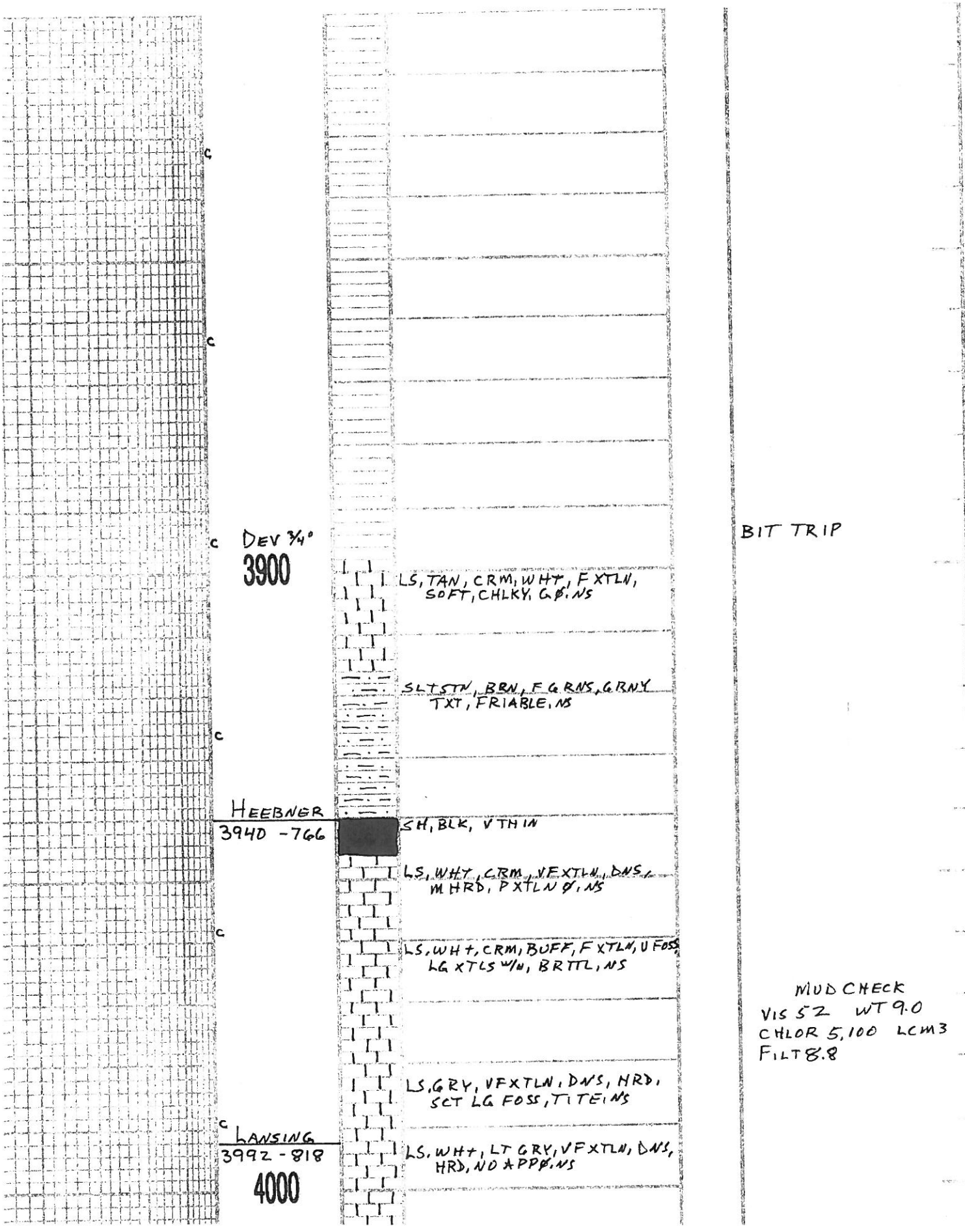
RE

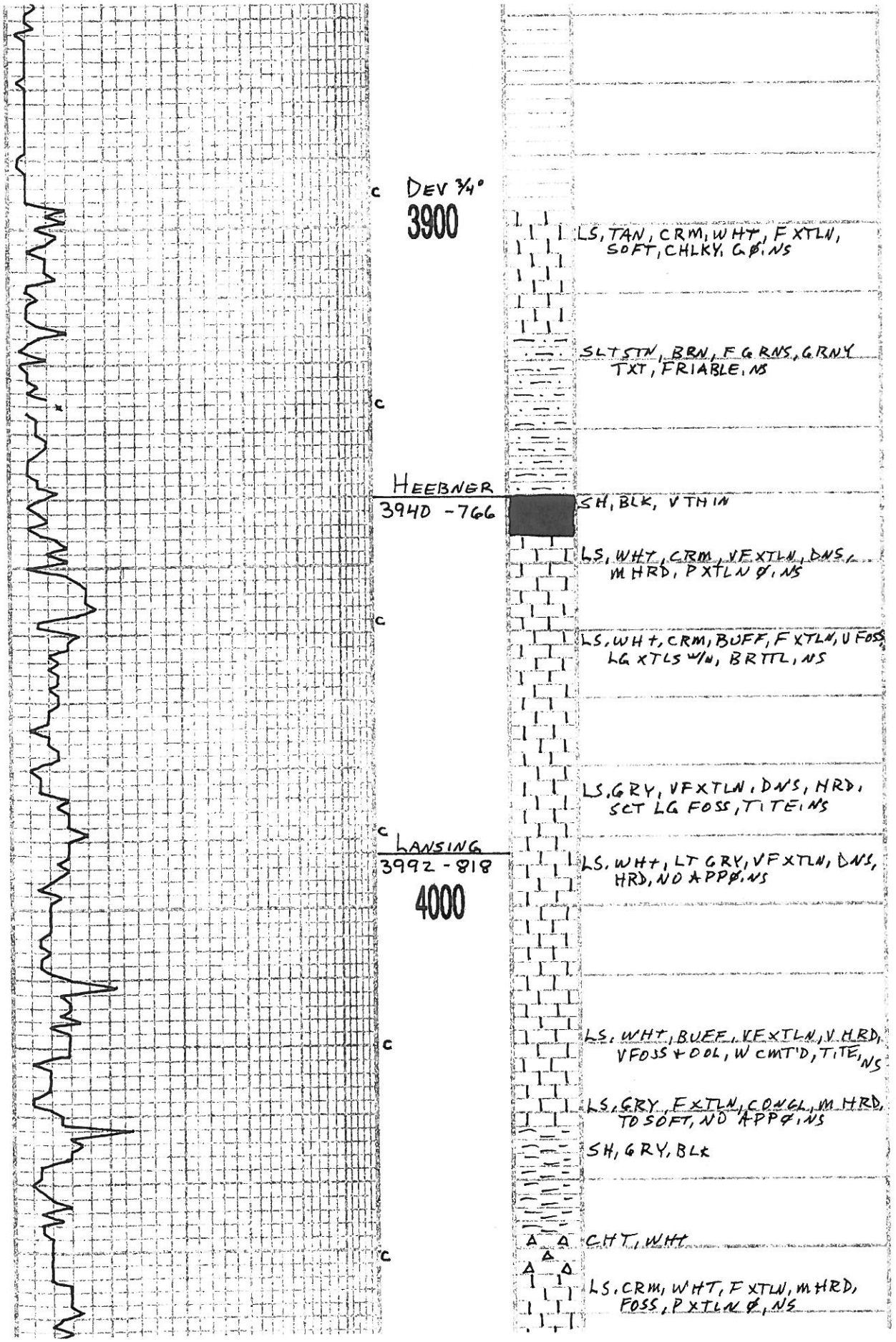
DEV 3/4°

3500


3600
3700

3700
3800

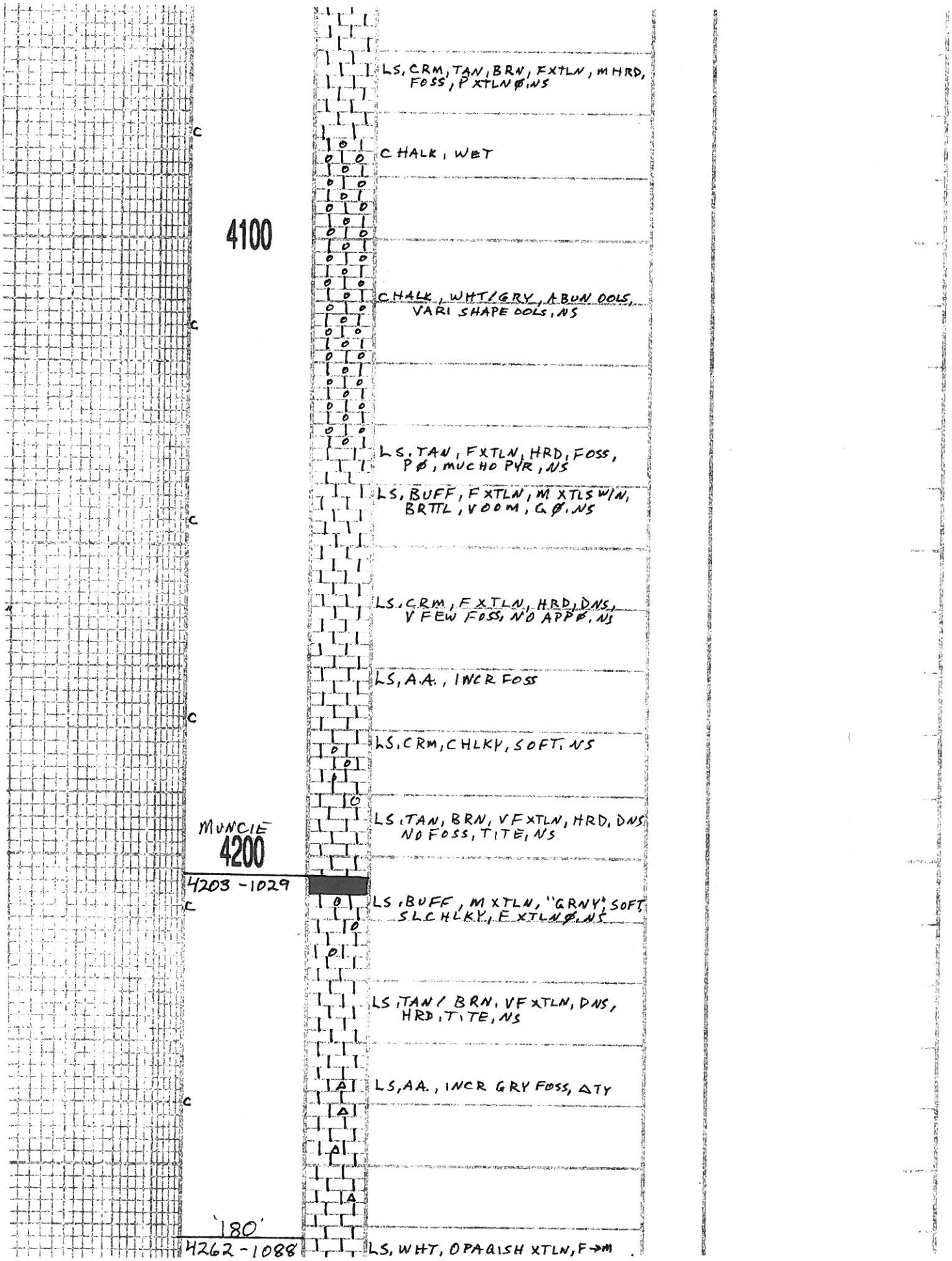

DEV ¾°
3900
LS, TAN, CRM, WHT, F XTLN, SOFT, CHLKY, G Ø, NS
SLTSTN, BRN, F G RNS, GRNY TXT, FRIABLE, NS
HEEBNER
3940 -766
SH, BLK, V THIN
LS, WHT, CRM, VF XTLN, DNS, M HRD, P XTLN Ø, NS
LS, WHT, CRM, BUFF, F XTLN, U FOSS, LG XTLS W/N, BRTTL, NS
LS, GRY, VF XTLN, DNS, HRD, SCT LG FOSS, TITE, NS
LANSING
3992 - 818
LS, WHT, LT GRY, VF XTLN, DNS, HRD, NO APP Ø, NS
4000
BIT TRIP
MUD CHECK
VIS 52 WT 9.0
CHLOR 5,100 LCM 3
FILT 8.8

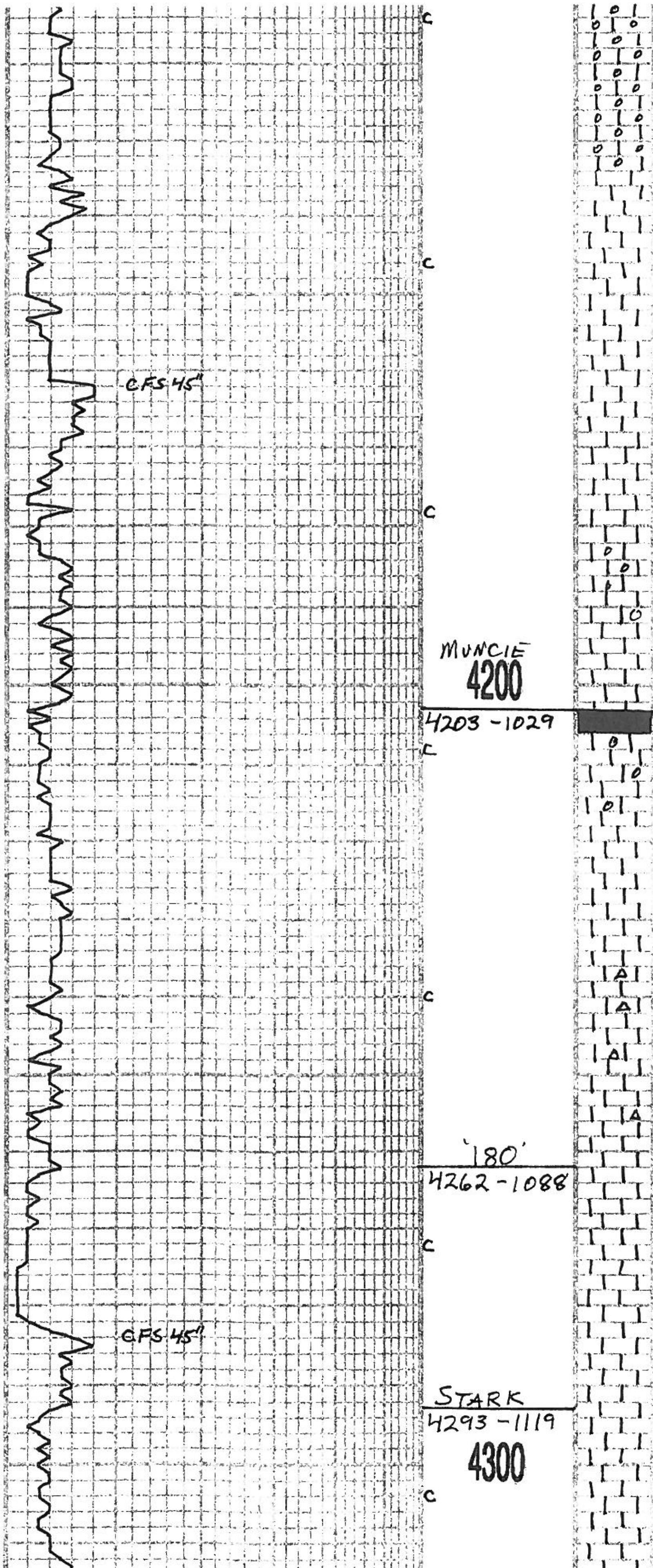


BIT TRI

MUD
VIS 52
CHLOR
FILT 8.

7:AM 4-
DRLG


4100
MUNCIE
4200
4203 -1029
'180'
4262 -1088
LS, CRM, TAN, BRN, FXTLN, M HRD, FOSS, P XTLN Ø, NS
CHALK, WET
CHALK, WHT/GRY, ABUN OOLS, VARI SHAPE OOLS, NS
LS, TAN, FXTLN, HRD, FOSS, PØ, MUCHO PVR, NS
LS, BUFF, FXTLN, M XTLS W/N, BRTTL, VOOM, GØ, NS
LS, CRM, FXTLN, HRD, DNS, V FEW FOSS, NO APPØ, NS
LS, A.A., INCR FOSS
LS, CRM, CHLKY, SOFT, NS
LS, TAN, BRN, VF XTLN, HRD, DNS NO FOSS, TITE, NS
LS, BUFF, M XTLN, "GRNY" SOFT, SLCHLKY, F XTLN Ø, NS
LS, TAN/BRN, VF XTLN, DNS, HRD, TITE, NS
LS, AA., INCR GRY FOSS, ΔTY
LS, WHT, OPAQISH XTLN, F→M



LS, TAN, FXTLN, HRD, FOSS, PØ, MUCHO PYR, NS

LS, BUFF, FXTLN, M XTLS W/N, BRTTL, VOOM, GØ, NS

LS, CRM, FXTLN, HRD, DNS, V FEW FOSS, NO APPØ, NS

LS, A.A., INCR FOSS

LS, CRM, CHLKY, SOFT, NS

LS, TAN, BRN, VFXTLN, HRD, DNS, NO FOSS, TITE, NS

LS, BUFF, M XTLN, "GRNY", SOFT, SL CHLKY, F XTLNØ, NS

LS, TAN/BRN, VFXTLN, DNS, HRD, TITE, NS

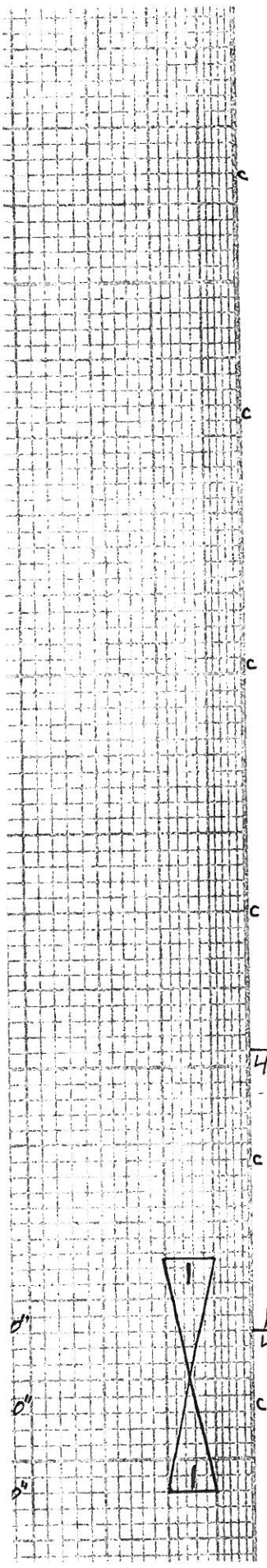
LS, AA., INCR GRY FOSS, ΔTY

LS, WHT, OPAQISH XTLN, F→M XTLN, SL OOM, M CMT'D, F→GØ NS

LS, CRM, BUFF, FXTLN, VOOM, SCT OOL'S W/N, W CMT'D OOLS, NS

LS, CRM, FXTLN, HRD, SL VUGØ NS

LS, WHT, GRY TINT, VFXTLN, DNS, BRTTL, TITE, NS



A. A.

LS. CRM, WHT, BUFF, GRY TNT, VF XTLN. DNS, HRD. TITE, NS

A.A.

A.A.

A.A.

LS, BRN, F XTLN, SCT DK OOLS W/N, HRD. W CMT'D, NO APP Ø NS

CHT, BRN, WHT, GRY, Pcs RE XTLD CONGL, TITE, NS

LS. CRM. WHT, F XTLN, HRD, V FOSS, ? Ø. NS

A.A.

CHLK, FLUOR STNG, LT ODOR, LT BRN O ON BRK

LS, BUFF, F XTLN, SOFT, BRTTL, LT O DROPS ON SURF (WHT LS), G INT XTLN O FILL GSY Ø, G BLEED ON BRK, Pcs FOSS, G O FILL FOSS Ø

LS. WHT, F XTLN, LT O FILM COM Ø, Pcs SL FO ON BRK, ABUN GAS W/N OOM'S Ø

SH, GRY

DULL FLUOR

BLEED O LT ODOR M BRN O

GASSY

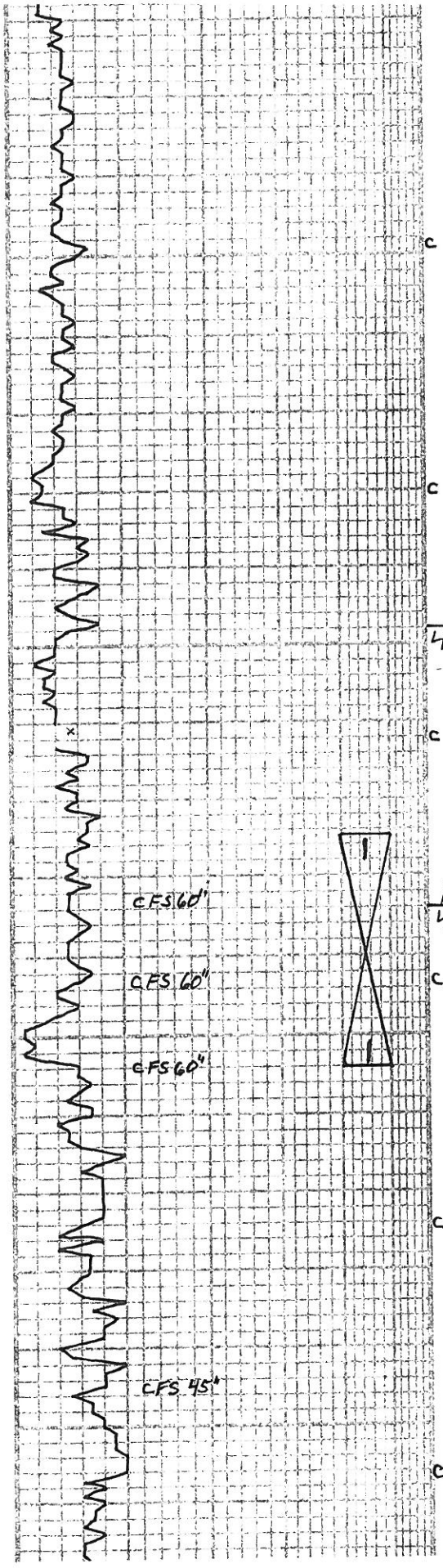
STRAP 4555.83
BOARD 4556.02
SHORT .26

DST #1 4475-4504
30-60-45-90
IF: BOB 1½" ISI: BOB 48"
FF: BOB 5" FSI: BOB 25"
REC: 1600' GIP
846' GCO 10%G, 90%O
564' GCO 40%G, 60%O
371' MCGO 30%G, 50%O 20%M
TOTAL 1781' FLUID, 116°
31° API
FP: 86-331, 355-572
SIP: 1164-1155
HP: 2345-2303

7:AM 4-3-12
CIRC @ 4484

MUDCHECK
VIS 55 WT 9.4
CHLOR 5,000 LCM3
FILT 8.8

7:AM 4-4-12



A.A.

A.A.

LS, BRN, FXTLN, SCT DK OOLS W/N, HRD, W CMT'D, NO APP Ø NS

CHT, BRN, WHT, GRY, Pcs REXTLD CONGL, TITE, NS

LS, CRM, WHT, F XTLN, HRD, V FOSS, ? Ø. NS

A.A.

CHLK, FLUOR STNG, LT ODOR, LT BRN O ON BRK

DULL FLUOR

LS, BUFF, F XTLN, SOFT, BRTTL, LT O DROPS ON SURF (WHT LS), G INT XTLN O FILL GSY Ø, G BLEED ON BRK, Pcs FOSS, G O FILL FOSS Ø

BLEED O LT ODOR M BRN O

LS, WHT, F XTLN, LT O FILM com Ø, Pcs SL FO ON BRK, ABUN GAS W/N OOM'S Ø

GASSY

SH, GRY

LS, WHT, F XTLN, M HRD, BRTTL, SL FOSS, P XTLN Ø, NS

LS, BUFF, F XTLN, SL OOL, HRD, W CMT'D OOL'S + FOSS, TITE, NS

SH, GRY

SLTSTN, GRY

LS, CRM, BUFF, F XTLN, M HRD, Pcs V FOSS, SL SCT LT GRY ⚠, VP XTLN Ø, NS

STRAP BOARD SH

DST #1
3
IF: BOB 1'
FF: BOB 5
REC: 1600
846
564
371'

TOTAL 178
31° API

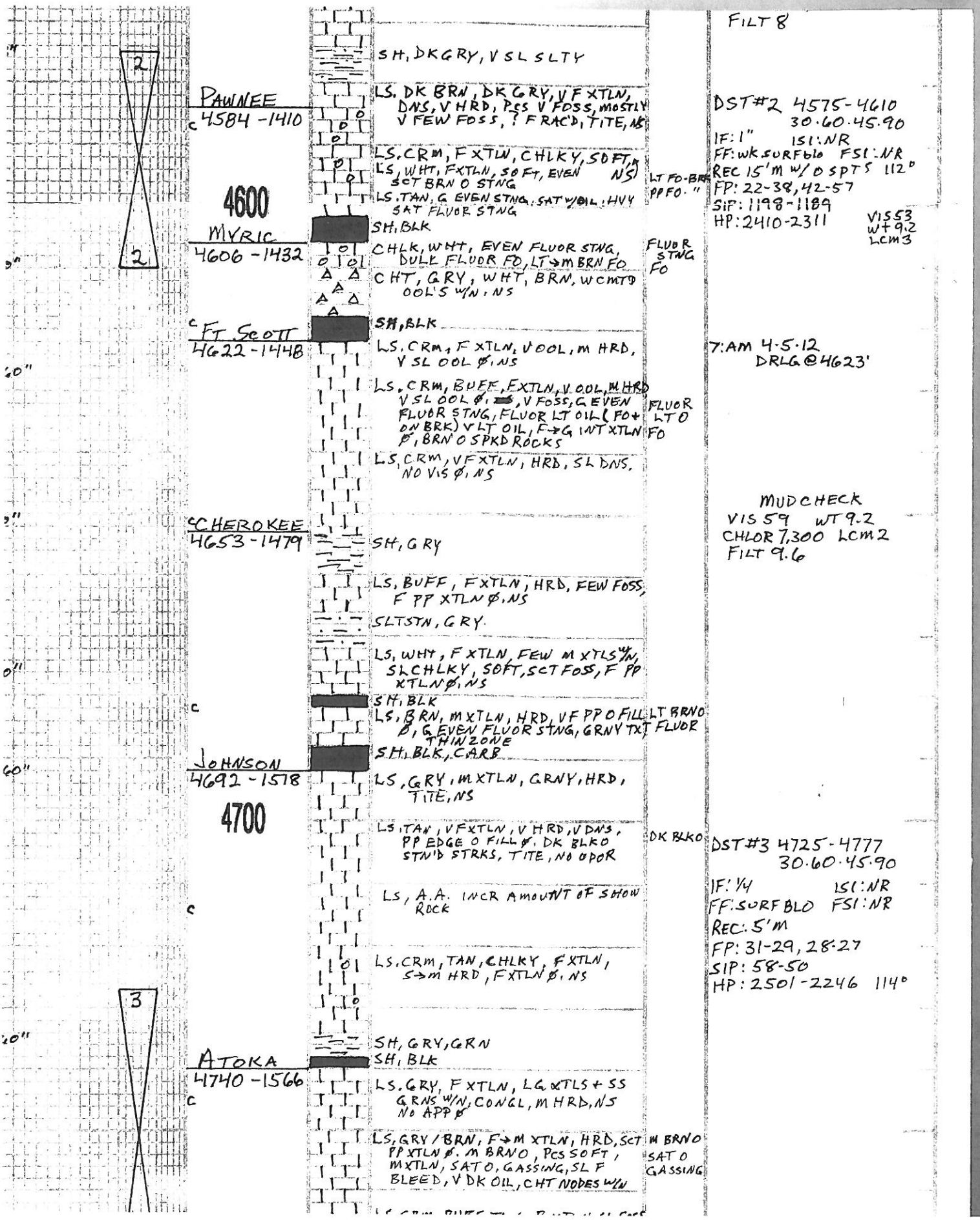
FP: 86-3
SIP: 1164-
HP: 2345

7:AM 4-3
CIR

MUD
VIS 55
CHLOR
FILT 8

7:AM 4-
DRLG

MUD
VIS 53
CHLOR



FILT 8

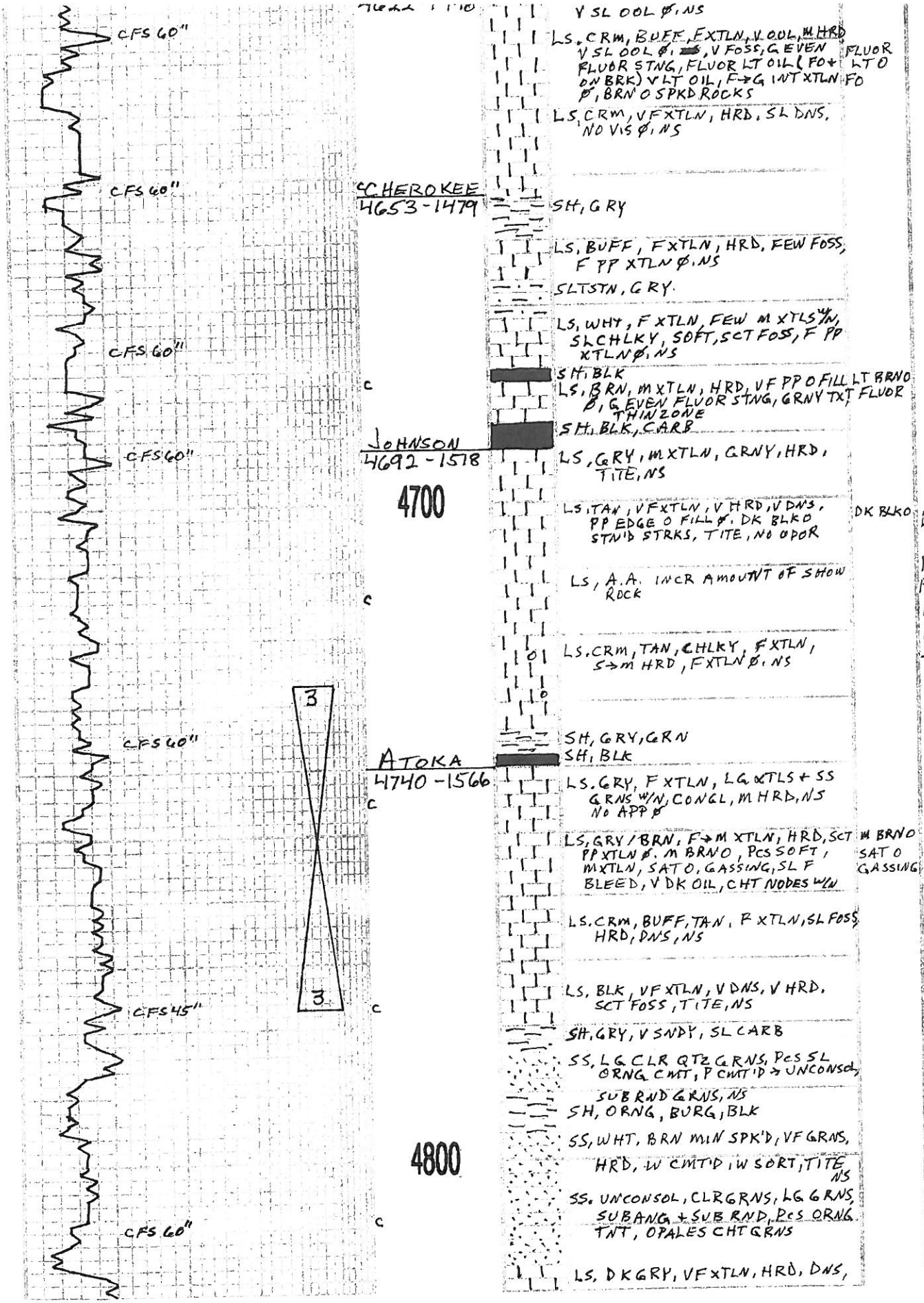
DST #2 4575-4610
30-60-45-90
IF: 1" ISI: NR
FF: WK SURF blo FSI: NR
REC 15'M W/ O SPTS 112°
FP: 22-38, 42-57
SIP: 1198-1189
HP: 2410-2311

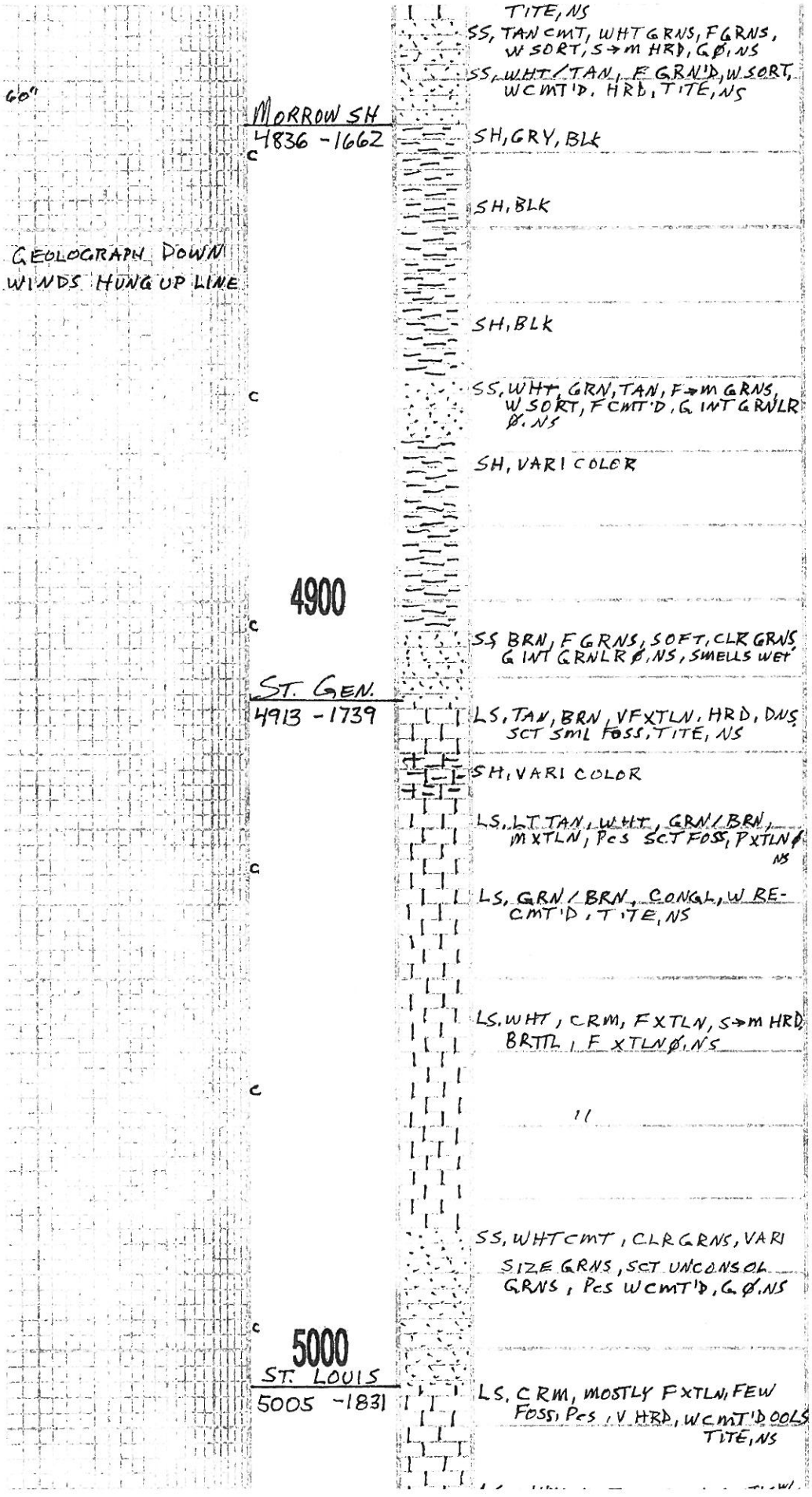
VIS 53
WT 9.2
LCM 3

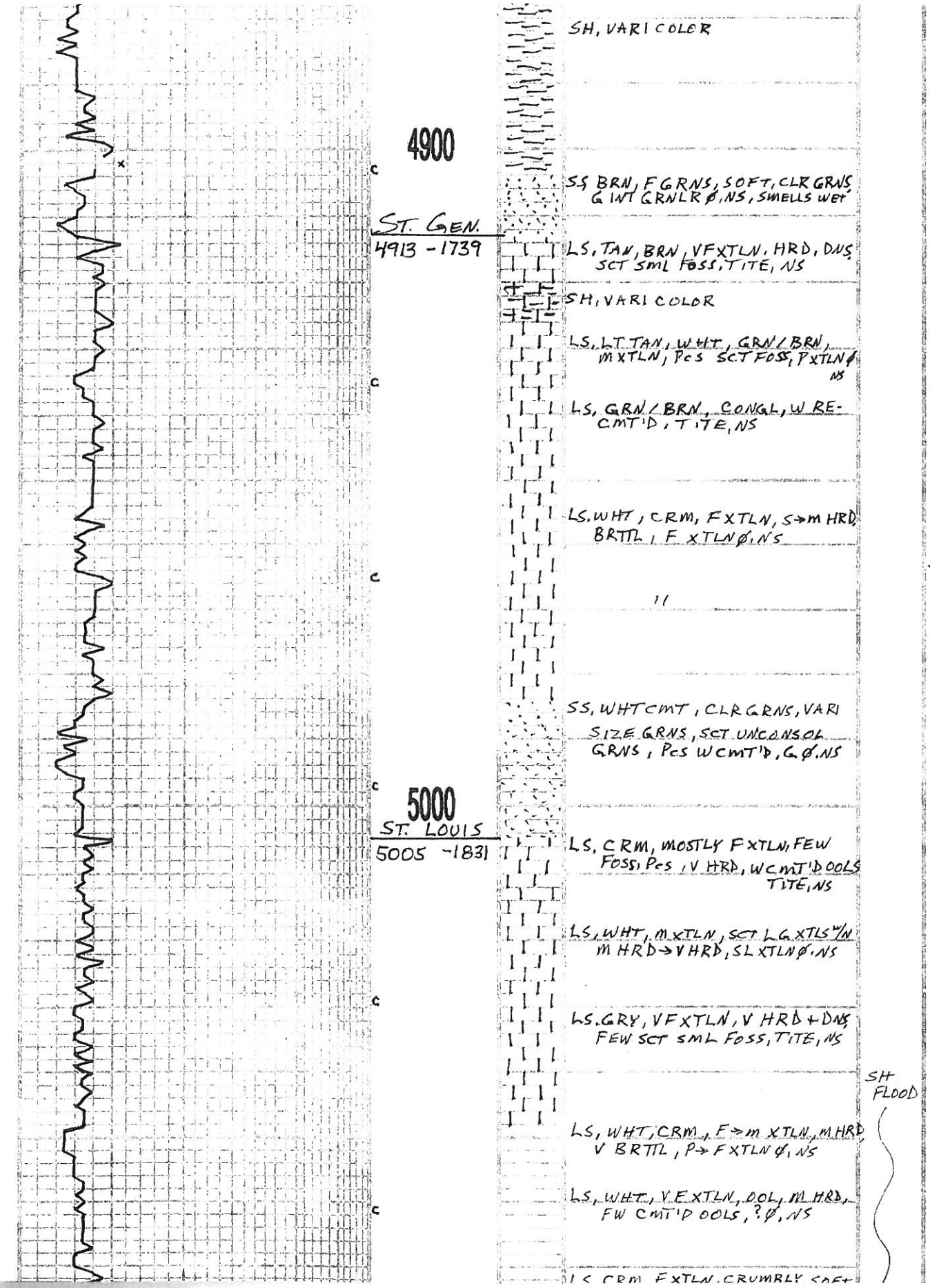
7:AM 4-5-12
DRLG @ 4623'

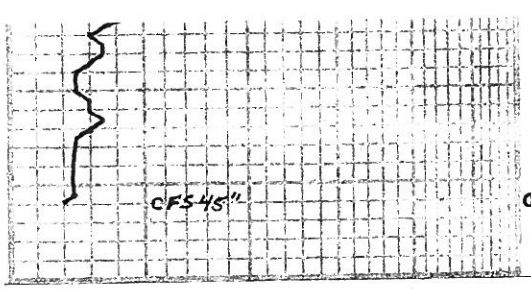
MUD CHECK
VIS 59 WT 9.2
CHLOR 7,300 LCM 2
FILT 9.6

DST #3 4725-4777
30-60-45-90
IF: 1/4 ISI: NR
FF: SURF BLO FSI: NR
REC: 5'M
FP: 31-29, 28-27
SIP: 58-50
HP: 2501-2246 114°


CFS 60"
CFS 60"
CFS 60"
CFS 60"
CFS 60"
CFS 45"
CFS 60"
CHEROKEE
4653 - 1479
JOHNSON
4692 - 1578
ATOKA
4740 - 1566
4700
4800
3
3
V SL OOL Ø, NS
LS, CRM, BUFF, FXTLN, V OOL, M HRD V SL OOL Ø, V FOSS, G EVEN FLUOR STNG, FLUOR LT OIL (FO+ ON BRK) V LT OIL, F→G INT XTLN Ø, BRN O SPKD ROCKS
FLUOR LT O FO
LS, CRM, VF XTLN, HRD, SL DNS, NO VIS Ø, NS
SH, GRY
LS, BUFF, F XTLN, HRD, FEW FOSS, F PP XTLN Ø, NS
SLTSTN, GRY.
LS, WHT, F XTLN, FEW M XTLS W/N, SL CHLKY, SOFT, SCT FOSS, F PP XTLN Ø, NS
SH, BLK
LS, BRN, M XTLN, HRD, VF PP O FILL LT BRN Ø, G EVEN FLUOR STNG, GRNY TXT FLUOR THIN ZONE
SH, BLK, CARB
LS, GRY, M XTLN, GRNY, HRD, TITE, NS
LS, TAN, VF XTLN, V HRD, V DNS, PP EDGE O FILL Ø, DK BLKO STN'D STRKS, TITE, NO ODOR
DK BLKO
LS, A.A. INCR AMOUNT OF SHOW ROCK
LS, CRM, TAN, CHLKY, F XTLN, S→M HRD, F XTLN Ø, NS
SH, GRY, GRN
SH, BLK
LS, GRY, F XTLN, LG XTLS + SS GRNS W/N, CONGL, M HRD, NS NO APP Ø
LS, GRY/BRN, F→M XTLN, HRD, SCT PP XTLN Ø, M BRNO, PCS SOFT, M XTLN, SAT O, GASSING, SL F BLEED, V DK OIL, CHT NODES W/N
M BRNO SAT O GASSING
LS, CRM, BUFF, TAN, F XTLN, SL FOSS, HRD, DNS, NS
LS, BLK, VF XTLN, V DNS, V HRD, SCT FOSS, TITE, NS
SH, GRY, V SNDY, SL CARB
SS, LG CLR QTZ GRNS, PCS SL ORNG CMT, P CMT'D → UNCONSOL, SUB RND GRNS, NS
SH, ORNG, BURG, BLK
SS, WHT, BRN MIN SPK'D, VF GRNS, HRD, W CMT'D, W SORT, TITE NS
SS, UNCONSOL, CLR GRNS, LG GRNS, SUB ANG + SUB RND, PCS ORNG TNT, OPALES CHT GRNS
LS, DK GRY, VF XTLN, HRD, DNS,


TITE, NS
SS, TAN CMT, WHT GRNS, F GRNS, W SORT, S→M HRD, GØ, NS
SS, WHT/TAN, F GRN'D, W SORT, W CMT'D, HRD, TITE, NS
60'
MORROW SH
4836 -1662
SH, GRY, BLK
SH, BLK
GEOLOGRAPH DOWN WINDS HUNG UP LINE
SH, BLK
SS, WHT, GRN, TAN, F→M GRNS, W SORT, F CMT'D, G INT GRNLR Ø, NS
SH, VARI COLOR
4900
SS BRN, F GRNS, SOFT, CLR GRNS, G INT GRNLR Ø, NS, SMELLS WET
ST. GEN.
4913 -1739
LS, TAN, BRN, VF XTLN, HRD, DNS SCT SML FOSS, TITE, NS
SH, VARI COLOR
LS, LT TAN, WHT, GRN/BRN, M XTLN, Pcs SCT FOSS, P XTLN Ø NS
LS, GRN/BRN, CONGL, W RE-CMT'D, TITE, NS
LS. WHT, CRM, F XTLN, S→M HRD, BRTL, F XTLN Ø, NS
"
SS, WHT CMT, CLR GRNS, VARI SIZE GRNS, SCT UNCONSOL GRNS, Pcs W CMT'D, G Ø. NS
5000
ST. LOUIS
5005 -1831
LS. CRM, MOSTLY F XTLN, FEW FOSS, Pcs, V. HRD, W CMT'D OOLS TITE, NS
POOR SAMPLES
7:AM 4-7-12
DRLG @ 4965'


4900
ST. GEN.
4913 -1739
5000
ST. LOUIS
5005 -1831
SH, VARI COLOR
SS BRN, F GRNS, SOFT, CLR GRNS G INT GRNLR Ø, NS, SMELLS WET
LS, TAN, BRN, VF XTLN, HRD, DNS SCT SML FOSS, TITE, NS
SH, VARI COLOR
LS, LT TAN, WHT, GRN/BRN, M XTLN, Pcs SCT FOSS, P XTLN Ø NS
LS, GRN/BRN, CONGL, W RE-CMT'D, TITE, NS
LS. WHT, CRM, F XTLN, S→M HRD BRTTL, F XTLN Ø, NS
"
SS, WHT CMT, CLR GRNS, VARI SIZE GRNS, SCT UNCONSOL GRNS, Pcs W CMT'D, G Ø. NS
LS, CRM, MOSTLY F XTLN, FEW FOSS, Pcs, V HRD, W CMT'D OOLS TITE, NS
LS, WHT, M XTLN, SCT LG XTLS W/N M HRD→V HRD, SL XTLN Ø. NS
LS. GRY, VF XTLN, V HRD + DNS, FEW SCT SML FOSS, TITE, NS
LS, WHT, CRM, F→M XTLN, M HRD V BRTTL, P→F XTLN Ø, NS
LS, WHT, V F XTLN, OOL, M HRD, FW CMT'D OOLS, ? Ø, NS
LS CRM F XTLN CRUMBLY SOFT
SH FLOOD
7:AM 4-7-
DRLG
MUD
VIS 53
CHLDR 6,
FILT 8.8



SCT FOSS, NS

LS, AA, M XTLN

LS. BUFR, FXTLN, VOOL, SL FOSS
G SCT FOSS ⌀., BRTTL, PCMTD
OOLS, NS

CONSOLIDATED
Oil Well Services, LLC

ENTERED SS

TICKET NUMBER 34433
LOCATION Oakley, KS
FOREMAN Kelly Gabel
Walt Dinkel

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-9-12	7158	Brack #18	18	20	35w	KS Wichita

CUSTOMER: Raymond oil

MAILING ADDRESS:

CITY: STATE: ZIP CODE:

Scott City W to Co line, S to RCC, 6W, N+W into

TRUCK #	DRIVER	TRUCK #	DRIVER
399	Miles S		
528	Wes F		
460	Cory D		

JOB TYPE Prod-DV HOLE SIZE 7 7/8 HOLE DEPTH 5086 CASING SIZE & WEIGHT 4 1/2 10.5#

CASING DEPTH 5107 DRILL PIPE TUBING OTHER DV @ 2236'

SLURRY WEIGHT 14.2-12.5 SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 42'

DISPLACEMENT 80 1/2 DISPLACEMENT PSI MIX PSI RATE

REMARKS: safety meeting, rigged up on H2 Rig #1, Hooked up to circulate for 30 min, Mixed 225sks 60/40Poz 7 1/2% salt 2% gel, clear pumps & lines, released plug, displaced with 50bbl water 30 1/2 mud, @200#, Plug landed @ 1300#, released pressure float held, open DV Tool got circulation, mixed 30sks RH, 20sks MH, mixed 400sks 60/40 poz, 8% gel, 1/4# Flo-seal washed out pump & lines, released plug & displaced with bbl, water. 600# lift pressure, Plug landed @ 1500#, released pressure, float, held. rigged down, centralizers on JT# 1, 3, 5, 9, 11, 13, 70 Basket on 69, DV tool top of 69
Cement did circulate

Thank You
Kelly & Crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020.00	3020.00
5406	60	MILEAGE	5.00	300.00
1131	225sks	60/40 Poz Bottom stage	15.10	3397.50
1131	450sks	60/40 Poz Top stage	15.10	6795.00
1111	795#	salt	.45	357.75
1118B	3096#	Bentonite	.25	774.00
1107	113#	Flo-seal	2.82	318.66
5407A	29.03	Ton Mileage delivery	1.67	2908.80
4161	1	4 1/2 Afu float shoe	342.00	342.00
4129	7	4 1/2 centralizer	46.00	322.00
4103	1	4 1/2 basket	261.00	261.00
4283	1	4 1/2 DV Tool w/latchdown	3850.00	3850.00
				22,646.71
		Less 10% disc		2264.67
				20,382.04
		248876	SALES TAX	1226.42
			ESTIMATED TOTAL	21608.46

Ravin 3737

4:00 PM

AUTHORIZTION [signature] TITLE DATE 4-8-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

July 03, 2012

Ted McHenry
Raymond Oil Company, Inc.
PO BOX 48788
WICHITA, KS 67202-1822

Re: ACO1
API 15-203-20175-00-00
Brack 18 1
SW/4 Sec.18-20S-35W
Wichita County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Ted McHenry