



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1146740  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

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 #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1146740

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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257766

TICKET NUMBER 39470  
LOCATION Oakley, KS  
FOREMAN Miles Shaw

484, Chanute, KS 66720  
31-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

US

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-28-13	7158	Shimaneck #1	26	195	26W	Wichita
CUSTOMER	Raymond Oil		TRUCK #	DRIVER	TRUCK #	DRIVER
BILLING ADDRESS			405	JERRY		
CITY	STATE	ZIP CODE	530729	Ed W		

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 266 CASING SIZE & WEIGHT 8 5/8 23.6#  
 CASING DEPTH 266 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 CARRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 15 1/2 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting and rig up on #2 #1 drilling circulate casing  
mix 200 sacks common class A cement with 38 calcium chloride gel displace  
15 1/2 bbls water shut down and shut in cement did circulate 5 bbls  
to pit

Thanks Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
		PUMP CHARGE	1085.00	1085.00
5401S	1		5.20	225.00
5406	45	MILEAGE	1.67	706.50
5407A	9.4 tons	Ton mileage delivery	17.68	3530.00
4104S	200 sacks	Class A cement	.89	501.96
1102	564 #	Calcium chloride	.25	94.00
41RB	376	Bentonite gel		
			Subtotal	6142.46
			less 10% discount	614.25
			Subtotal	5528.21
			SALES TAX	308.20
			ESTIMATED TOTAL	5836.41

**Completed**

AUTHORIZATION Jose C. Faber TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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.



Max R. Lovely

**GEOLOGIST'S REPORT**

DRILLING TIME AND SAMPLE LOG

COMPANY	Raymond Oil Co.	ELEVATIONS	
LEASE	#1 Shimanek	KB	3248
FIELD	Wildcat	DF	
LOCATION	NE SW SW SW	GL	3237
SEC	26	TWSP	19
		RCE	36W
COUNTY	Wichita	STATE	KS
CONTRACTOR	H2 #1	CASING	
SPUD	3-29-2013	COMP	4-9-2013
RTD	5350	LTD	5355
MUD UP	3453	TYPE MUD	Chem
		MEASUREMENTS ARE FROM	KB
		DEPTH	
		DIAMETER	8 5/8" @ 264'
		PRODUCTIVE	
		ELECTRICAL SURVEYS	
		DUAL IND	MICRO
		COMP	N/D

FORMATION LOGS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRICAL LOG TOP	DEPTH - FEET	DEPTH - FEET
Anhydrite	2381	2360	888	
Base Anhydrite	2377	2378	870	863
Stotler	3583	3584	-336	-339
Heebner	3988	3990	-742	-748
Lansing	4035	4040	-792	-799
Muncie	4246	4242	-994	-1005
Hushpuckney	4412	4410	-1162	-1177
Marmaton	4542	4548	-1300	-1303
Pawnee	4642	4623	-1375	-1399
Myric	4673	4656	-1406	-1435
FT. Scott	4691	4684	-1436	-1450
Johnson	4769	4762	-1514	-1529
Morrow SH	4917	4910	-1662	-1678
Mississippi	5127	5096	-1848	-1897

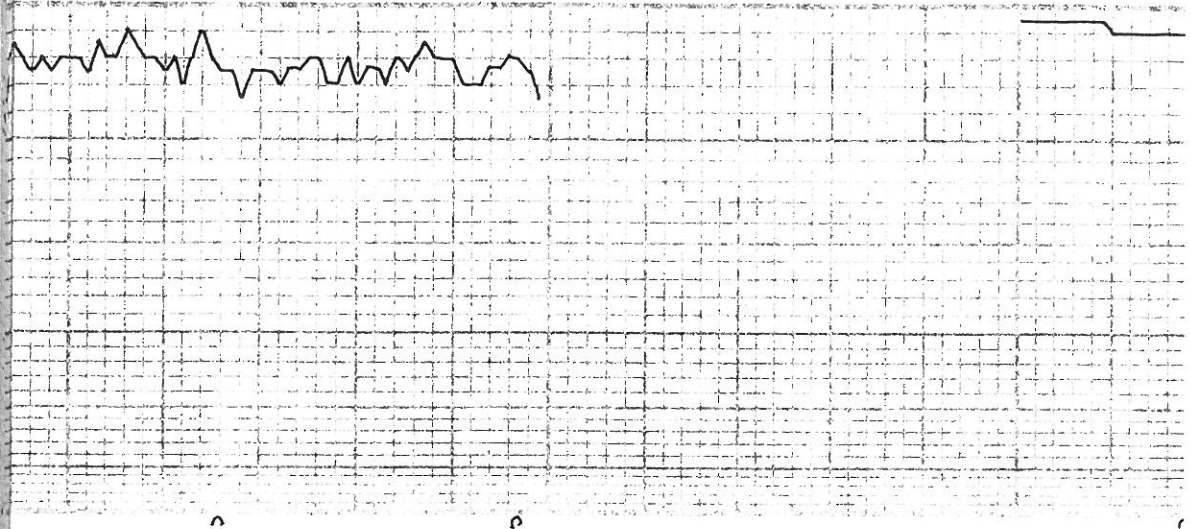
REFERENCE WELLS FOR STRUCTURE

A Holmerich and Payne Harris #1-27 SE SE NW 27-19-36W

B

C





2400

3450

3500

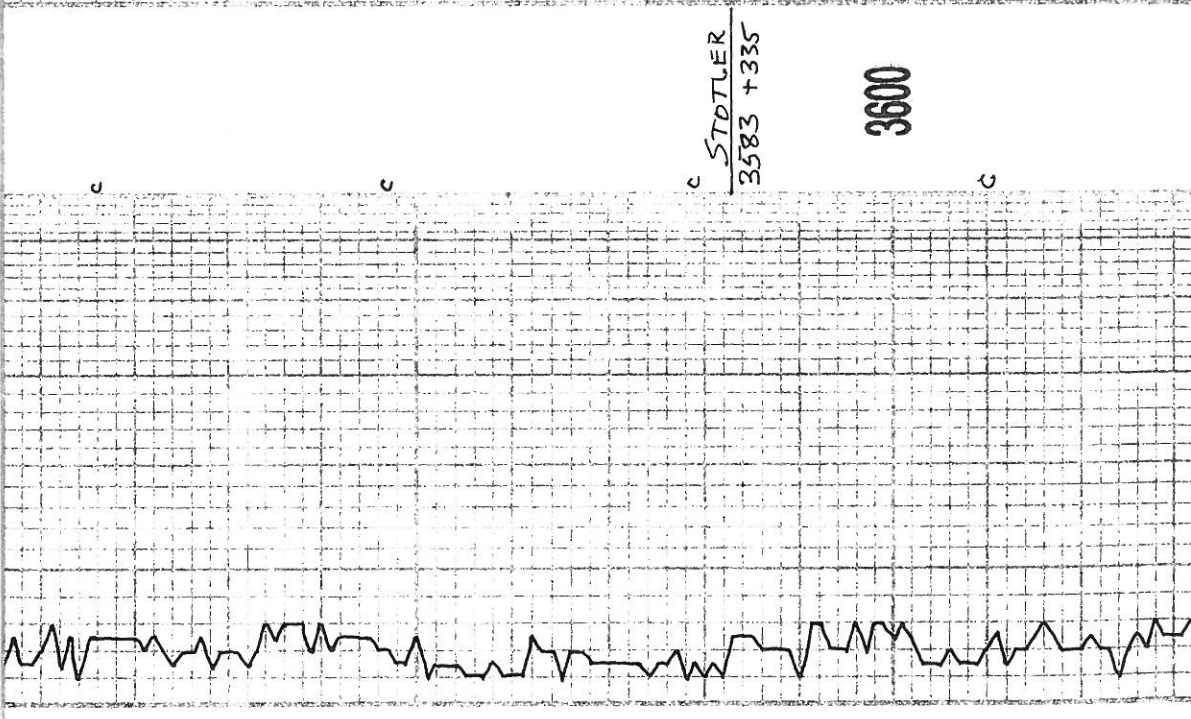
LS, GRY, SL SLY SH  
LS, WHT, CRM, SL FOSS

LS, WHT, CRM, SL FOSS

LS, GRN, R TXT, SL DOL0,  
SL SVDY

TED McHENRY  
OW LOC

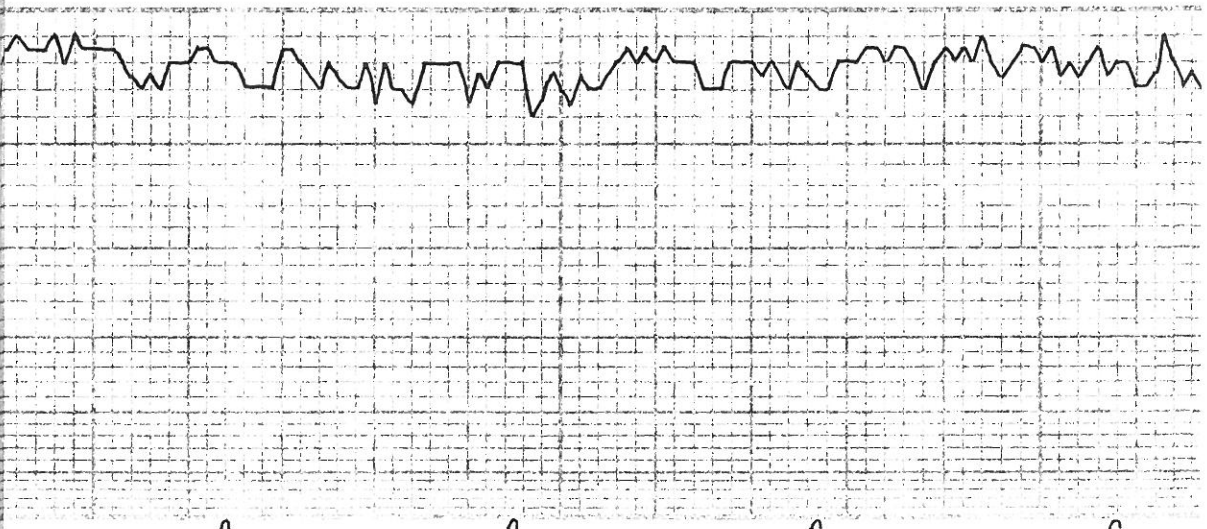
LS, AA, FOSS									
			SH, GRY, SANDY, ABUN SLTY SH STW, ? ODOR ON BRK						
			LS, WHT, FOSS, PELS, MOSTLY SLTY SH, FEW SS CLUSTERS @ 3600						
			A.A.						
			SS, GRY, FEW CLUSTERS GRY SLTY SH, P, DK FLAKES BIOTITE						
			LS, WHT, GRY, FOSS						
			A.A.						



STOTLER  
3583 +335

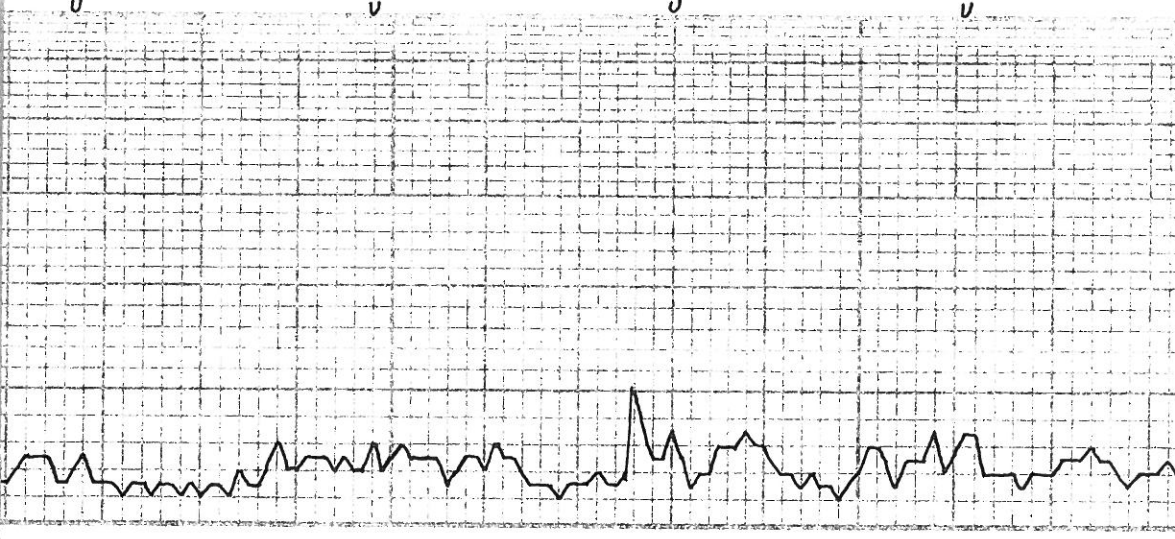
3600





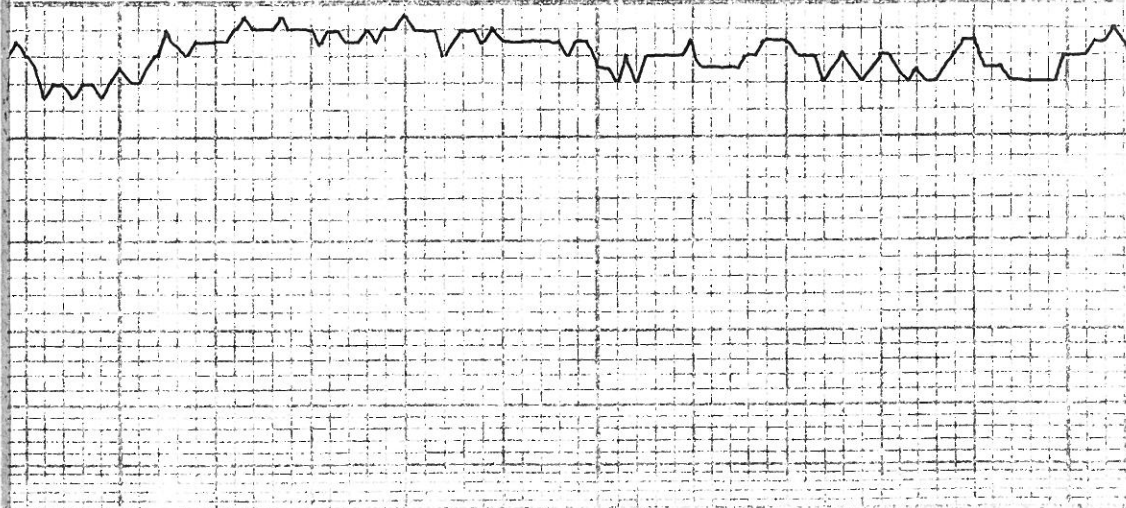
3700

A.A.
L5, TAN, FOSS, TR SS CLUSTERS DMS
AA, 5M TAN, SHARP CH
L5, BRN, SMDY, PELL'S, DMS FEW ORNG CH
AA
L5, WHT, M XLW, DMS, SL FOSS
L5, GRN, FOSS
A.A.
L5, CRM, F → M XLW, DMS
L5, CRM, BRN, FOSS



3800

A.A.
LS, WHT, CHLKY
LS, WHT, FXTLN
LS, AA, W/ WHT, SHARPCHT
A.A.
LS, CRM, CHLKY
LS, CRM, DNS
LS, CRM, DNS
A.A.
LS, AA, W/ GRY, SLTY, SH
A.A.
LS CRM, DNS, BLK SH BAN FOSS, GRY SLTY SH
A.A.



3900

LS, BRN - CRM - BLK SH

LS, CRM, FOSS, GRY SH

AA w/ MUCH BLK SH

AA. w/ GRY SH

AA w/ BLK SH

AA w/ BLK SH

LS, CRM, FXTLW, DMS, SL CHIKY

AA, INCR BLK SU

LS, CRM, FOSS

LS, CRM, DMS, LS, BRN, V FOSS  
w/ G. FOSS Ø, NIS

LS, CRM, FOSS, LOT BRN Δ w/ BRN  
STM

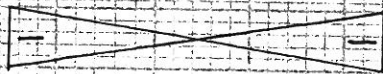
LS, CRM, FOSS, LATE RLV CH

HEEBNER  
3988-740

4000



70 HW  
35 W C-1



LANSING  
4035-787

DEV 34P  
4100

LS, BRN, FOSS, BLK SH

LS, WHT, CRM, FOSS, BRN MIN STN, SOME BRN Δ

LS, BRN, FOSS, P FOSS, LOTS BRN MIN, STN

LS, WHT, F → M XTLW, SL FOSS, BLK SH

LS, AA, SMELLS LIKE DIESEL, LESS BLK SH

A.A.

LS, WHT, CRM, F XTLW, DNS, SOME SMOKE CNT, SHARP

LS, CRM, SL FOSS, F → M XTLW, P → F PP, TR, FOSS, P, VUG, P, SSFO IN YUGS + PITS, FO ON BR, RND DEPLETS, IR GAS, SP THY DK BRN STN, J. AND ELVOR, CIRC. UNK. DIR. 376

LS, TAN, WHT, F XTLW, M HRD, FEW FOSS, SCT PP XTLW, P, US

LS, WHT, V F XTLW, HRD, SCT RE XTLW FOSS, V P → TITE P NS

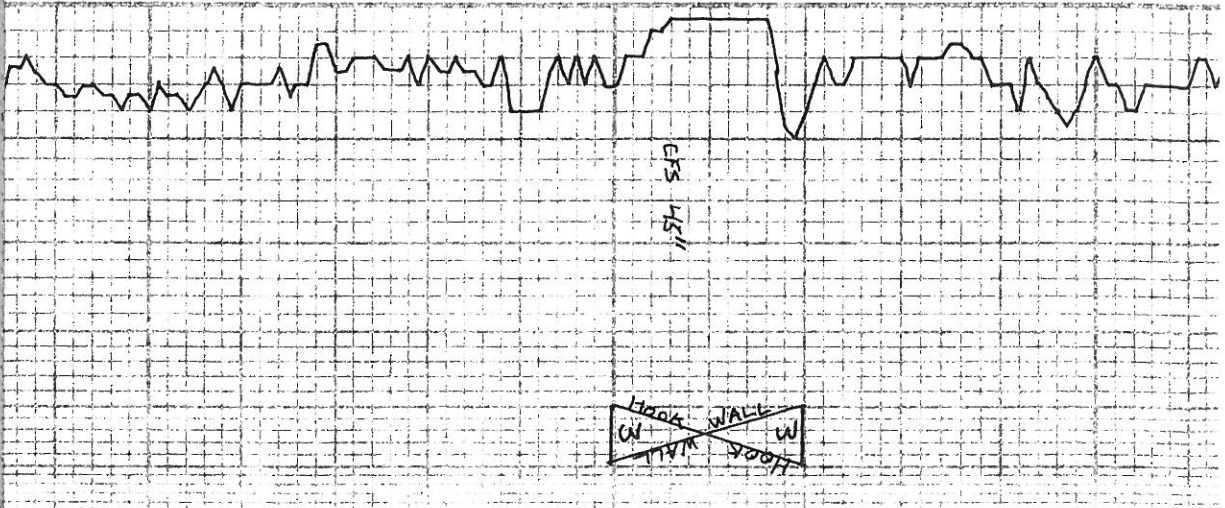
SH, GRY

LS, WHT, CRM, TAN, F XTLW, WHT WY PYR XTLW W, HRD, NO APP NS

SP THY  
BRN STN  
M BRN DIR  
NO ODOR

MAX LOVELY ON LOC  
STRAP 4081.21  
BOARD 4081.39  
short .18

DST #1 4035-4094  
30.60.45.90  
IF: 1" 151. NR  
FF: dead FSI: NR  
REC: 15' M  
FP: 34-45, 47-63  
SIP: 1077-1046  
HP: 2029-2000



4200

MUDLOG  
4246 - 998

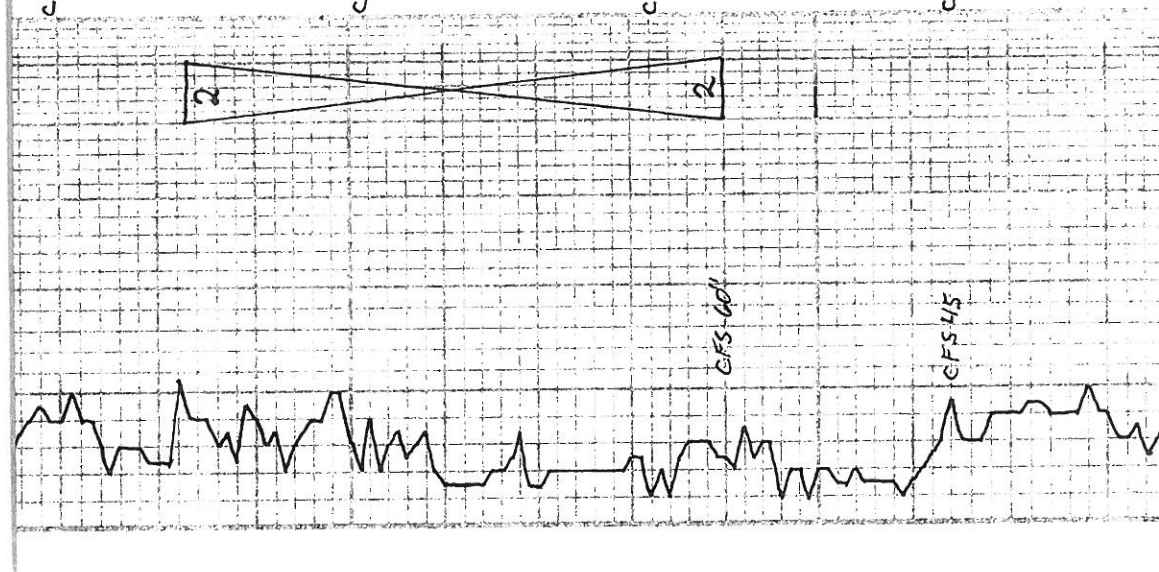
CHT, CHINA WHT, FRESH	
5KTSTN, GRV, BRN	
A.A.	
LS, CRM, TAN, V F XTLW, DMS, MDR	
LS, TAN, V F XTLW, V CLEAN, FRESH, WJ CMT'D FOSS, TITE, MS	
CHT, TAN, VW CMT'D DEFS, TITE, MS	
LS, BUFF, F XTLW, V DOM, V G DOM, BRIL, V FEW MICRO FLUOR OIL SPIS ON BRK, WJLET	MICRO FLUOR OIL SPIS
A.A.	
LS, WHT, V F XTLW, VW CMT'D WHT OILS, HRD TITE, MS	
LS, TAN, BRN, BUFF, V F XTLW, M HRD SL FOSS, MOSTLY DMS + TITE, MS	
LS, BRN, GRV, V F XTLW, HRD, SCT DOL FOSS, TITE, MS	
SH, BLK	
LS, CRM, TAN, HRD, F XTLW, V FOSS + ALGAL, VW CMT'D, MS	
LS, WHT, F XTLW, CHILKY, S → W	

7:AM 4-3-2013  
DRLG @ 4141

DST #3 4180-4200  
90-40-45-90  
REC: 580' MCW 90%W  
46,000 CHLOR  
FP: 35-163, 167-276  
SIP: 1136-1136  
HP: 2116-1971

-4198' CARBIDE TEST  
38V HW } KICKS  
30V G-1 }

Rig down: DRAWDRKS  
MUD CHECK  
VIS 52 WT 9.1  
CHLOR 3600 LCM2  
FILT 8.8



4300

LS, TAN, VF XTLN, HRD, V OOL + FOSS, VW CMT-D FOSS, ND APP B, NS

LS, GRM, F XTLN, V FOSS, HRD, G OIL FILL FOSS, Pcs OOL WVA OIL FILL, BK OIL, ND VIS ENERGY, OIL WET RKS

LS, AA, INCR OOL W/ HVY OIL, FILL, V FEW GAS BBLS, FEW SCT NAT FO PROPLETS

CHLK, BRN, GUMMY, V HVY OIL SAT, VG BLEED, FO, NAT FO IN TRAY

LS, GRY/WHT, V FXTLN, HRD, SCT FOSS, SCT OIL FILL FOSS, FCG, FERR, INCR CAS + FOON BRK

LS, GRY, F XTLN HRD, SCT LG FOSS, F JUG + XTLN P, SCT BK OIL FILL, OIL WET RKS, OIL FILM, VUGY, ND VIS ENERGY

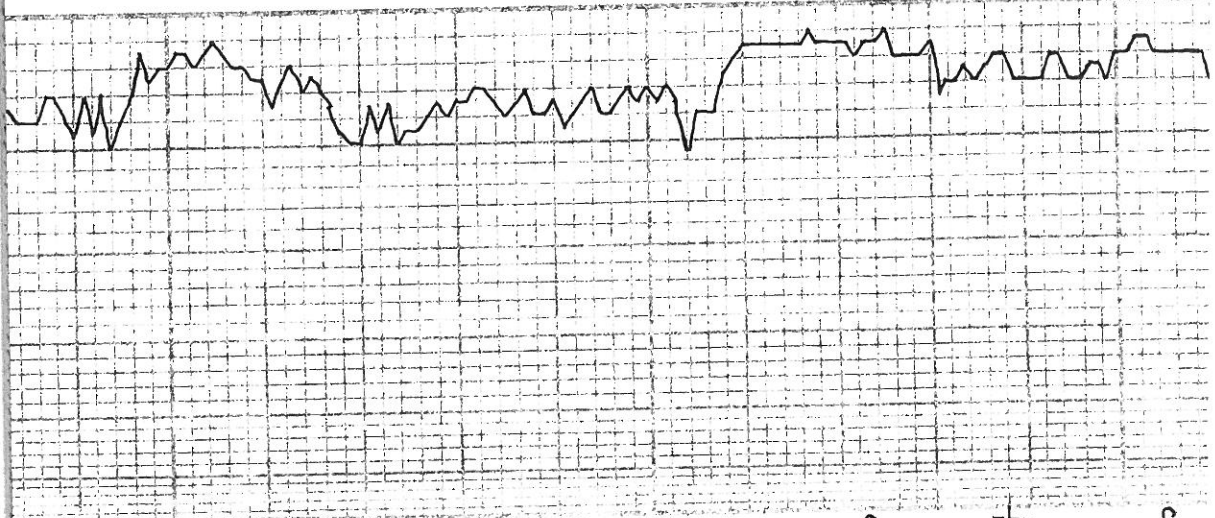
LS, GRY, V FXTLN, HRD, V LG + MED FOSS, F W CMT-D FOSS NS

LS, TAN/GRY, F XTLN, HRD, TITE NS

LS, WHT, VE XTLN, V RMS + HRD TITE, SCT STYLIS, NS

10 STAND SHORT TRIP  
DST#2 4283-4340  
30.60.45.90  
IF: BOB 1" 151:NR  
FF: BOB 6mm 151:NR  
REC: 846' VSMCW 98%W  
752' MCW 65%W  
574' WCM 40%W  
282' WCM 10%W  
35,000 CHLDR  
FP: 910-1066, 1092-1121  
SIP: 1114-1134  
HP: 2153-2000

7:AM 4-4-2013  
DST#2 @ 4340'  
MUD CHECK  
VIS 54 WT 9.3  
CHLDR 5,000 LCM 2  
FILT 8.8

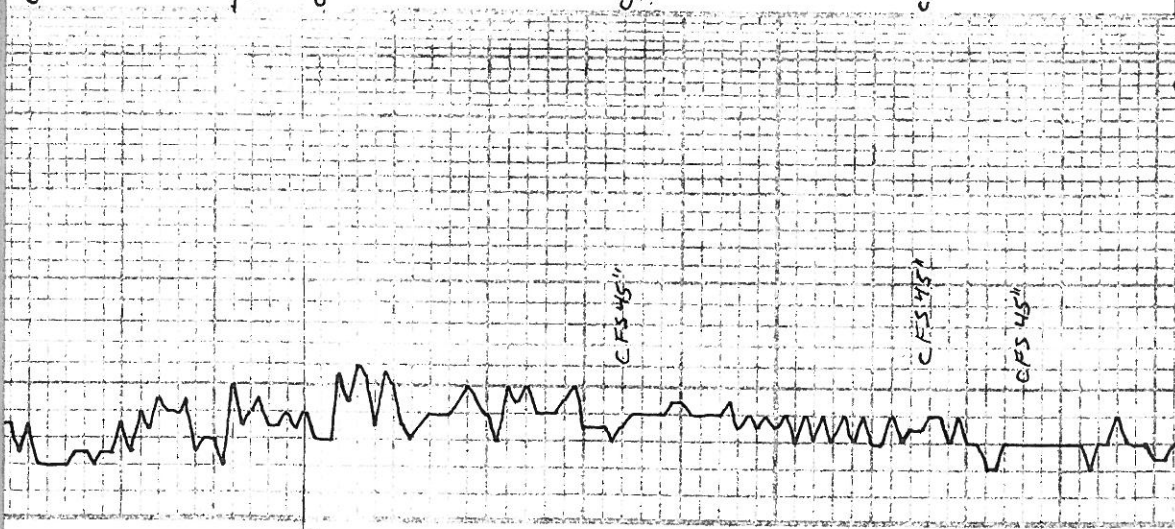


4400

HUSHBUCKNEY  
M412 -1164

4500

LS, WHI, SOFT, F. A.M.W. - GRY CHLK, NS
LS, WHI, V FXTLM, DNS, HRB, FEW SCR FOSS, TITE, NS
A.A.
LS, GRY, V FXTLM, DNS, V HRB TITE, NS
LS, TAN, GRY, A.A.
LS, WHI, CRW, V SOFT, FXTLM, CONGL, LG + MED RKS W/W, NS
SLTSM
SS SHLV, GRY, VW SORT, FGRMS SOFT, G.P. NS



MARATHON  
4542 - 1294

4600

c 20 Hw Kick

PAMINEE

CFS 451"

CFS 451"

CFS 451"

LS, TAN, FXTLN, HRD, VF OSS,  
P FOSS & MS  
SH, DK GRY

LS, TAN, WHY, FXTLN, HRD, SCT  
BRN STNG STRKS, PPXTLN, D  
FAIR OIL FILL, DR OIL, 3 ODR  
LS, LT + DK TAN, FXTLN, HRD, DUS  
ABOV TITE, NS

LS, BUFF, V.FXTLN, V.HRD, ABOV  
FOSS & ODS, UNCMTD, TITE  
NS

LS, WHI, BUFF, FXTLN, V.FOSS +  
DOL, FOS SOFT, MOSTLY HRD +  
BETTL, NO APP, NS

SH, GRY

LS, WHI, V.FXTLN, SOFT, CHKY, FO.BRK  
BRN STN STRKS, FO ON BRK, BRN STN  
MED BRN STNG, LT → MED BRN  
OIL

LS, GRY, TAN, FXTLN, HRD,  
V.FOSS, VPXTLN, NS

LS, GRY, SHLY, FXTLN, S → M  
HRD, BRTL, P, MS

A.A.

SH, BLK, CARB, GASSY

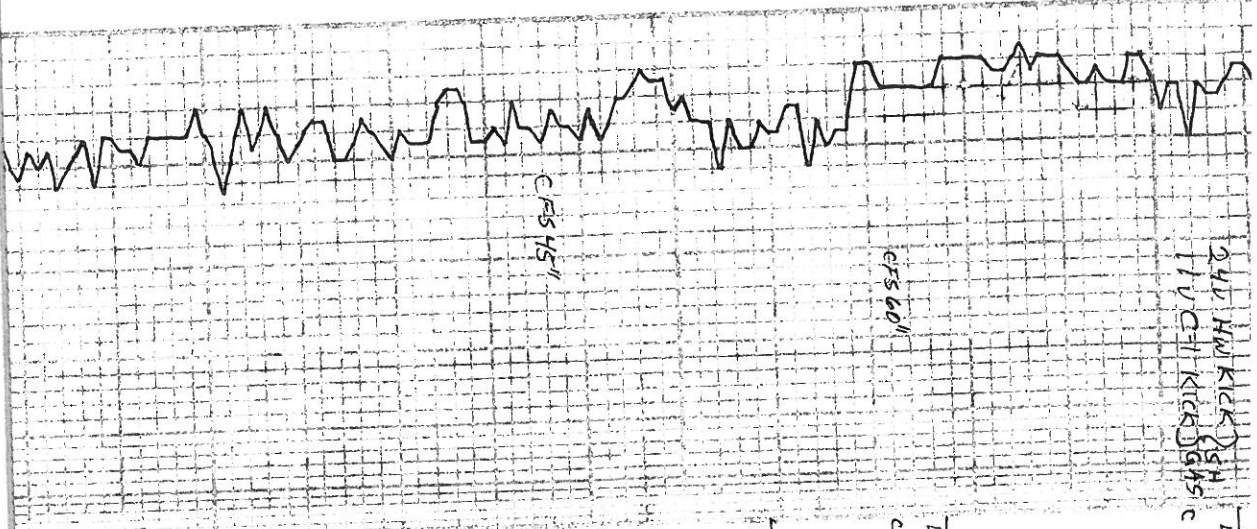
7:AM 4-5-2013  
CIRC @ 4584

MUD C CHECK  
VIS 54 WT 9.2  
C.HLOR 4,800 LCM2  
FILT 8.8

DIL FILL

FO.BRK





240 HW KICK (S)  
110 C-H KICK (S)

H642-1394

LS, GRAY TAN, EXTLM, m HRD,  
V FOSS, TR FRACS, REXTLD  
FRACS, MS  
LS, BRN, VEXTLM, EVS, HRD,  
FOSS, TITE, MS

LS, BUFE, VEXTLM, CNTID BOLS,  
V FOSS + ALGAL, NO APPR, MS

LS, TAN, WHT, EXTLM, V OOL,  
WCMTID BOLS, ND Ø, MS

LS, WHT, TAN, GRAY, EXTLM, V DMS,  
V HRD, SL FOSS, TITE, MS

SH, GRAY, DK GRAY  
LS, GRAY, RED BRN, VEXTLM,  
HBUV FOSS, VWCMTID FOSS,  
VHRD, TITE, MS  
SH, GRAY

LS, TAN, EXTLM, HRD, V FOSS,  
NO APPR, MS

H.A

SH, BLK  
LS, TAN, WHT, EXTLM, V FOSS,  
F → G Ø, V WET, MS

SH, GRAY, SLTY  
LS, TAN, GRAY, VEXTLM, DMS,  
V HRD

MYRIC  
H673-1425

FT. SCOTT

H691-1443

4700

CHEROKEE

H722-1474

JOHNSON  
H729-1521

V HRD, TITE, V FEW SCT FOSS NS

SH, GRV, LT GRV  
LS, GRV, FXTLN, HRD, SCT FOSS,  
PXTLN, NS

LS, BRN/CRM, VFXTLN, VHRD,  
FEW SCT FOSS, TITE, NS

CHT, BRN, SLDPAB, SL LMY, NS  
SH, BLK, CARB

LS, WHT/GRV, FXTLN, SOFT,  
BRITL, FXPXTLN, NS

SH, BLK  
LS, GRV (WHT), HRD, FXTLN, SCT  
FOSS, SCT BRN, TAN, CHT, NS

A.A.  
LS, WHT, FXTLN, SOFT, BRITL,  
CHLKY, ? STNG, ND ODOR

A.A.  
LS, BRN, DK GRV, VFXTLN, DAB,  
V HRD, V FEW SCT P FOSS, TITE NS

CHT, BLK, TAN, GRV W/FOSS,  
PCTPAB, FRESH, SHARP, NC

7:40 AM 4-6-2013  
DRLG @ 4854'

? BLK  
STNG

CFS 415-11

C

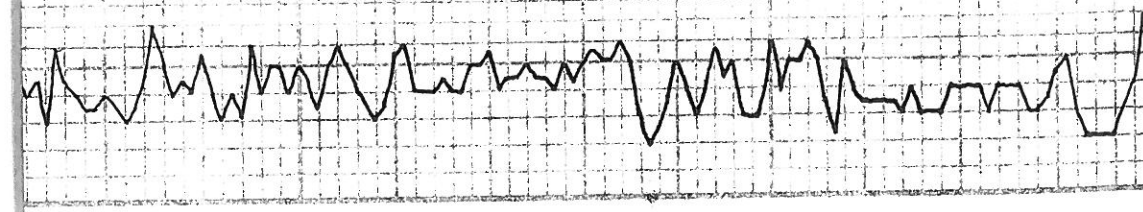
4800

C

ATOKA  
4827-1579

C

C





V HRD, V W CMT'D, NO APP

LS, BUFF, V DMS, GRNLR (SNDY),  
W CMT'D, V HRD, NS

A.A.

SS, TAN, WHT, S → M GRNS, V SOFT,  
FRIABLE, VG Ø, P SORT, NS

A.A. LGR-CRGRNS

SH, BLK

SS, WHT, CRM, FG GRNS, V SOFT,  
FRIABLE, VG Ø, NS

A.A.

SS, TAN CMT, CLR GRNS, F → M  
GRNS, S → M HRD, W SORT NS

LS, TAN, VF KTLN, DMS, V HRD,  
TITE, NS

SS, LT GRV, FG GRNS, V W CMT'D,  
HRD, NS

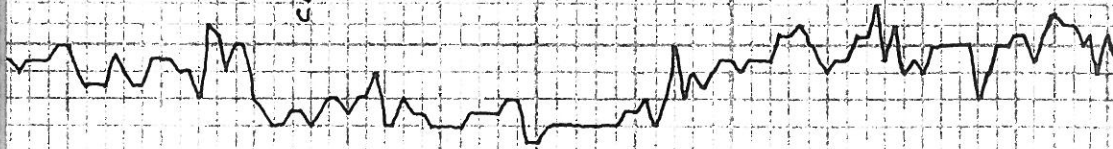
LS, TAN, VF XTLN, DMS, V HRD,  
FEW SCT FOSS, TITE, NS

5100

MISS

5127 - 1879

CFS 26"





MVA CHECK  
VLS 53 WT 9.5  
CHDR 4,500 KCM 2  
FILT 8.8

7:AM 4-8-2013  
LOGGING

LS, BRN, GRNLR TXT, SL DOLA  
FGRNLR, W SORT, MED HRD,  
PPBNS

SH, BLK, GRY, GRN, FLOOD

SS, SL DOLA, VF GRNS, GRN CMT,  
VSOFT, FRIABLE  
DOLA, GRY, VF GRNLR TXT, SOFT  
NS

LS, WHT, BLK FOSS WIN, M HRD,  
TITE, NS

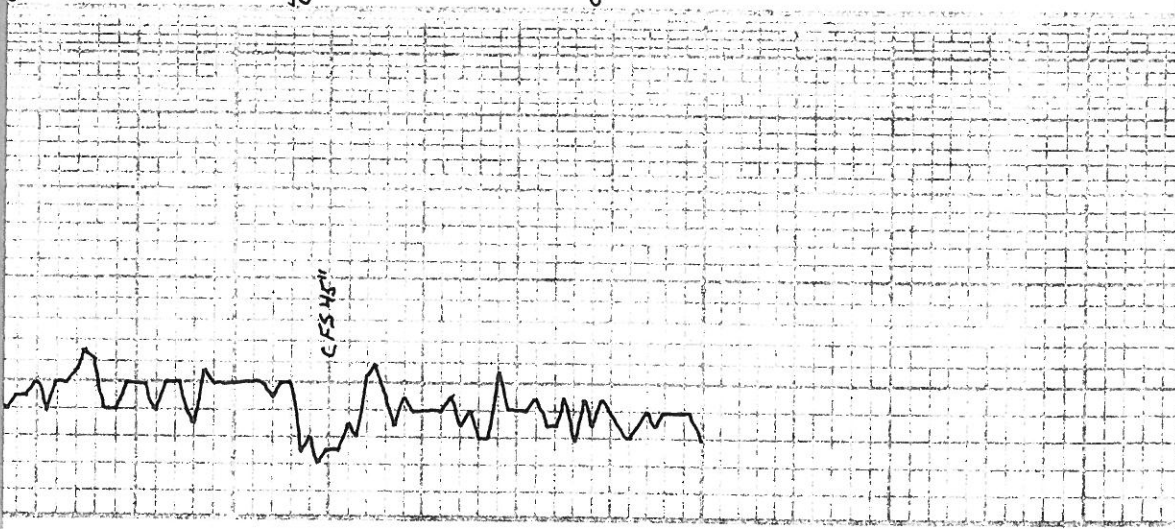
SH, GRY, GRN, BLK, FLOOD

A.A.

5300

SPERGEM  
C 5306 - 2058

DEV 10





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Raymond Oil Company Inc.

**26-19S-36W-Wichita Co. KS**

PO Box 48788  
Wichita KS 67202

**Shimanek #1**

Job Ticket: 49118

**DST#: 2**

ATTN: Ted Mchenry

Test Start: 2013.04.04 @ 02:41:12

## GENERAL INFORMATION:

Formation: **Lansing 160 & 180 Zo**

Deviated: Yes Whipstock: ft (KB)

Time Tool Opened: 05:25:57

Time Test Ended: 11:36:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 53

**Interval: 4283.00 ft (KB) To 4340.00 ft (KB) (TVD)**

Reference Elevations: 3248.00 ft (KB)

Total Depth: 4340.00 ft (KB) (TVD)

3237.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8677 Inside**

Press @ Run Depth: 1120.82 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.04

End Date: 2013.04.04

Last Calib.: 2013.04.04

Start Time: 02:41:17

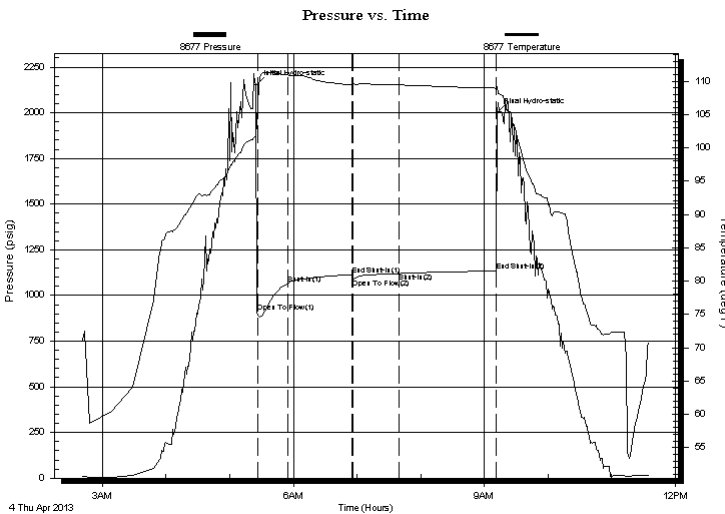
End Time: 11:36:42

Time On Btm: 2013.04.04 @ 05:25:12

Time Off Btm: 2013.04.04 @ 09:11:57

**TEST COMMENT:** IF-B.O.B. In 1 min.  
ISI-Dead no blow back  
FF-B.O.B. In 6 mins.  
FSI-Dead no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2152.93	101.60	Initial Hydro-static
1	910.16	103.85	Open To Flow (1)
30	1065.67	110.93	Shut-In(1)
90	1113.91	109.44	End Shut-In(1)
91	1092.09	109.50	Open To Flow (2)
135	1120.82	109.47	Shut-In(2)
226	1134.23	108.96	End Shut-In(2)
227	2000.30	109.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
846.00	2%M 98%W	8.51
752.00	35%M 65%W	10.55
574.00	40%W 60%M	8.05
282.00	10%M 90%M	3.96

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Raymond Oil Company Inc.

**26-19S-36W-Wichita Co. KS**

PO Box 48788  
Wichita KS 67202

**Shimanek #1**

Job Ticket: 49118

**DST#: 2**

ATTN: Ted Mchenry

Test Start: 2013.04.04 @ 02:41:12

## 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:

35000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
846.00	2%M 98%W	8.515
752.00	35%M 65%W	10.549
574.00	40%W 60%M	8.052
282.00	10%M 90%M	3.956

Total Length: 2454.00 ft      Total Volume: 31.072 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

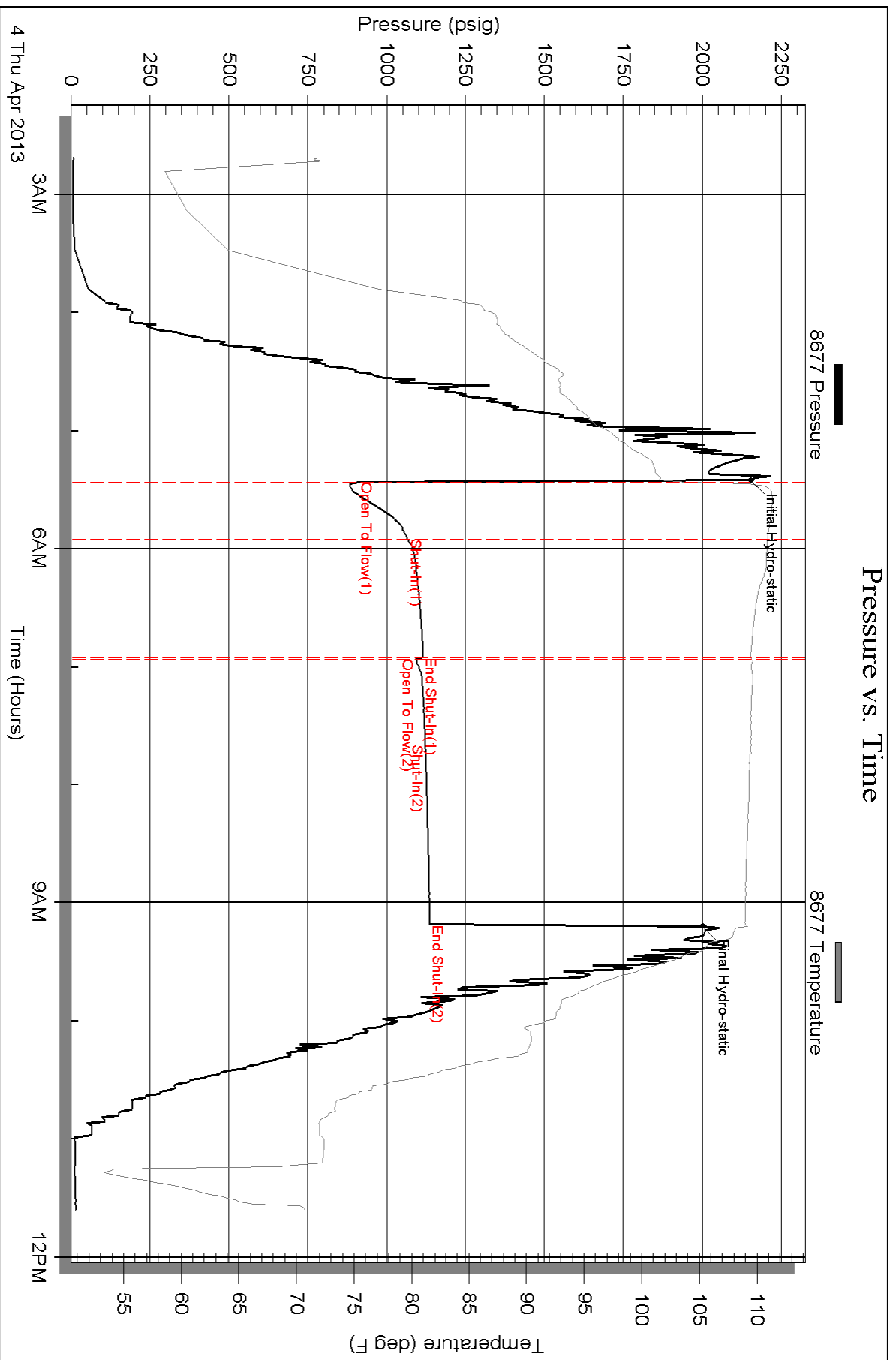
Laboratory Name:

Laboratory Location:

Recovery Comments: API RW .238 @ 62F = 35000



### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Raymond Oil Company Inc.

**26-19S-36W-Wichita Co. KS**

PO Box 48788  
Wichita KS 67202

**Shimanek #1**

Job Ticket: 49118

**DST#: 2**

ATTN: Ted Mchenry

Test Start: 2013.04.04 @ 02:41:12

## GENERAL INFORMATION:

Formation: **Lansing 160 & 180 Zo**

Deviated: Yes Whipstock: ft (KB)

Time Tool Opened: 05:25:57

Time Test Ended: 11:36:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 53

**Interval: 4283.00 ft (KB) To 4340.00 ft (KB) (TVD)**

Reference Elevations: 3248.00 ft (KB)

Total Depth: 4340.00 ft (KB) (TVD)

3237.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8677**

**Inside**

Press @ Run Depth: 1120.82 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.04

End Date:

2013.04.04

Last Calib.:

2013.04.04

Start Time:

02:41:17

End Time:

11:36:42

Time On Btm:

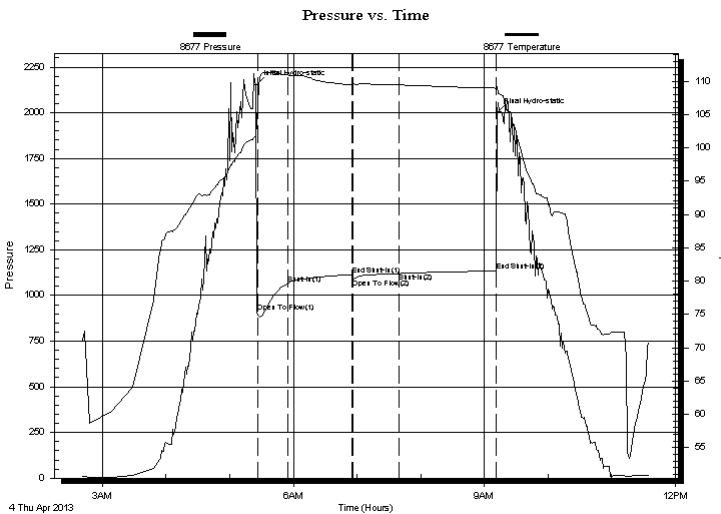
2013.04.04 @ 05:25:12

Time Off Btm:

2013.04.04 @ 09:11:57

**TEST COMMENT:** IF-B.O.B. In 1 min.  
ISI-Dead no blow back  
FF-B.O.B. In 6 mins.  
FSI-Dead no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2152.93	101.60	Initial Hydro-static
1	910.16	103.85	Open To Flow (1)
30	1065.67	110.93	Shut-In(1)
90	1113.91	109.44	End Shut-In(1)
91	1092.09	109.50	Open To Flow (2)
135	1120.82	109.47	Shut-In(2)
226	1134.23	108.96	End Shut-In(2)
227	2000.30	109.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
846.00	2%M 98%W	8.51
752.00	35%M 65%W	10.55
574.00	40%W 60%M	8.05
282.00	10%M 90%M	3.96

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Raymond Oil Company Inc.

**26-19S-36W-Wichita Co. KS**

PO Box 48788  
Wichita KS 67202

**Shimanek #1**

Job Ticket: 49118

**DST#: 2**

ATTN: Ted Mchenry

Test Start: 2013.04.04 @ 02:41:12

## 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:

35000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
846.00	2%M 98%W	8.515
752.00	35%M 65%W	10.549
574.00	40%W 60%M	8.052
282.00	10%M 90%M	3.956

Total Length: 2454.00 ft      Total Volume: 31.072 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

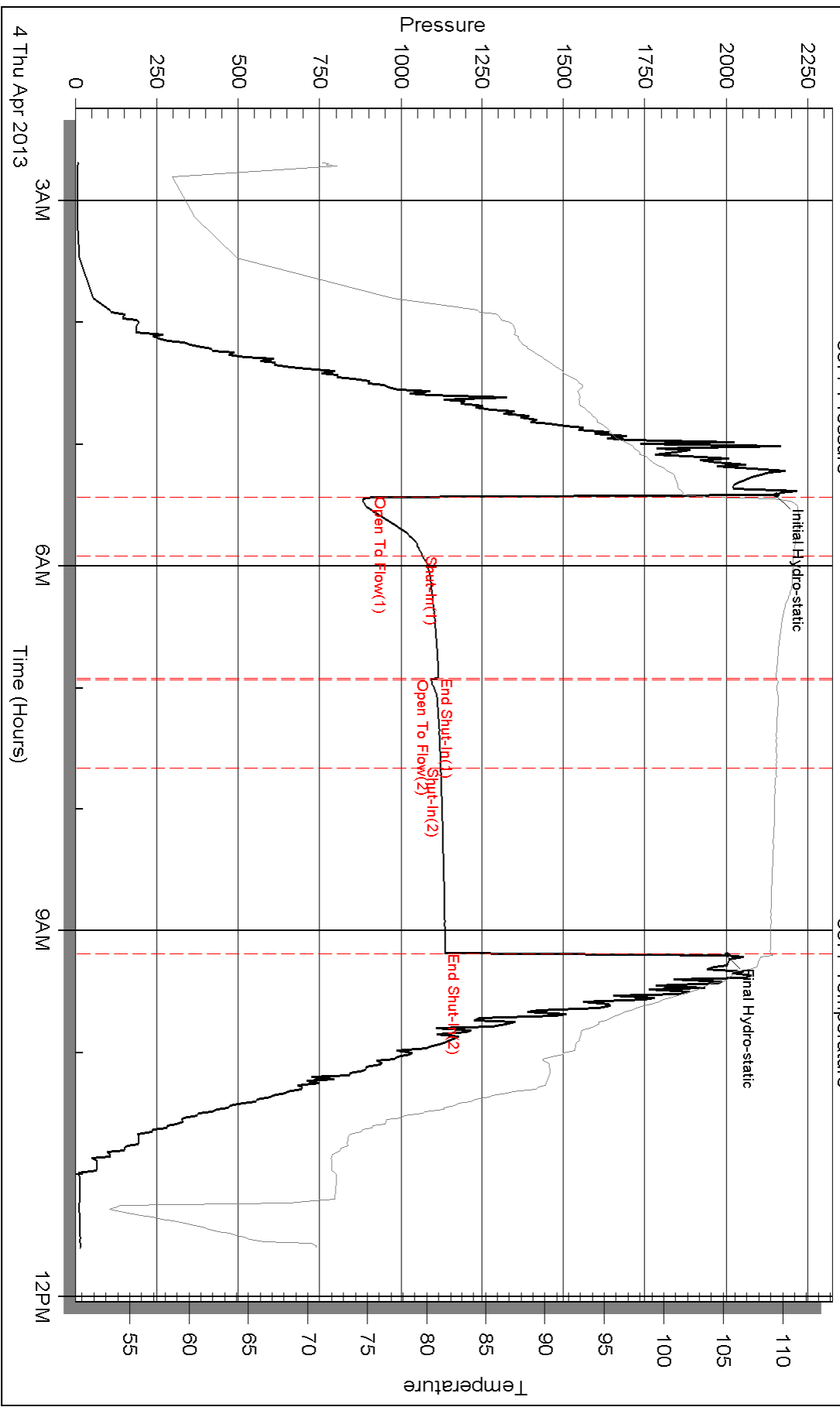
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API RW .238 @ 62F = 35000

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Raymond Oil Company Inc.

**26-19S-36W-Wichita Co. KS**

PO Box 48788  
Wichita KS 67202

**Shimanek #1**

Job Ticket: 49162

**DST#: 3**

ATTN: Ted Mchenry

Test Start: 2013.04.08 @ 16:54:00

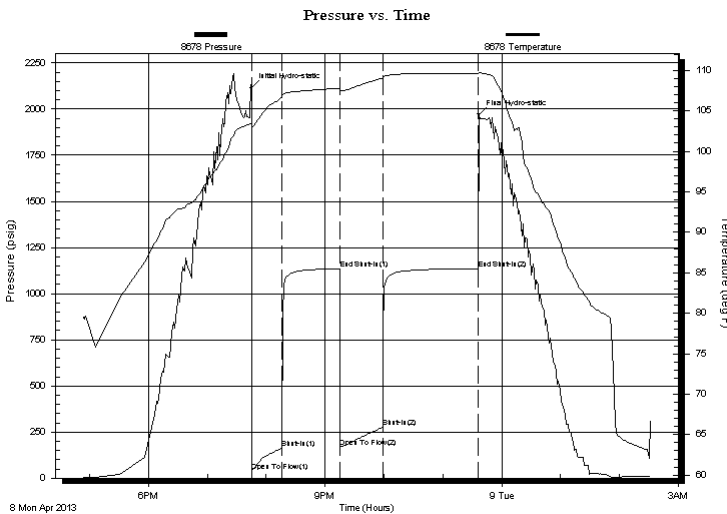
## GENERAL INFORMATION:

Formation: **LKC 100**  
 Deviated: Yes Whipstock: ft (KB)  
 Time Tool Opened: 19:45:15  
 Time Test Ended: 02:32:15  
 Interval: **4180.00 ft (KB) To 4200.00 ft (KB) (TVD)**  
 Total Depth: 5350.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 53  
 Reference Elevations: 3248.00 ft (KB)  
 3237.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8678 Outside**  
 Press @ Run Depth: 276.09 psig @ ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.04.08 End Date: 2013.04.09 Last Calib.: 2013.04.09  
 Start Time: 16:54:05 End Time: 02:32:15 Time On Btm: 2013.04.08 @ 19:45:00  
 Time Off Btm: 2013.04.08 @ 23:36:45

**TEST COMMENT:** IF: BOB @ 18 min.  
 IS: No return.  
 FF: BOB @ 21 min.  
 FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.89	103.46	Initial Hydro-static
1	34.75	102.83	Open To Flow (1)
32	163.44	106.69	Shut-In(1)
90	1135.88	107.75	End Shut-In(1)
91	167.21	107.22	Open To Flow (2)
134	276.09	109.03	Shut-In(2)
231	1135.83	109.55	End Shut-In(2)
232	1970.66	109.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
580.00	mcw 10m 90w (Oil specs on top)	6.43

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Raymond Oil Company Inc.

**26-19S-36W-Wichita Co. KS**

PO Box 48788  
Wichita KS 67202

**Shimanek #1**

Job Ticket: 49162

**DST#: 3**

ATTN: Ted Mchenry

Test Start: 2013.04.08 @ 16:54:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

46000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
580.00	mcw 10m 90w (Oil specs on top)	6.432

Total Length: 580.00 ft      Total Volume: 6.432 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .190 @ 55 = 46000ppm

Successfull Hookw all

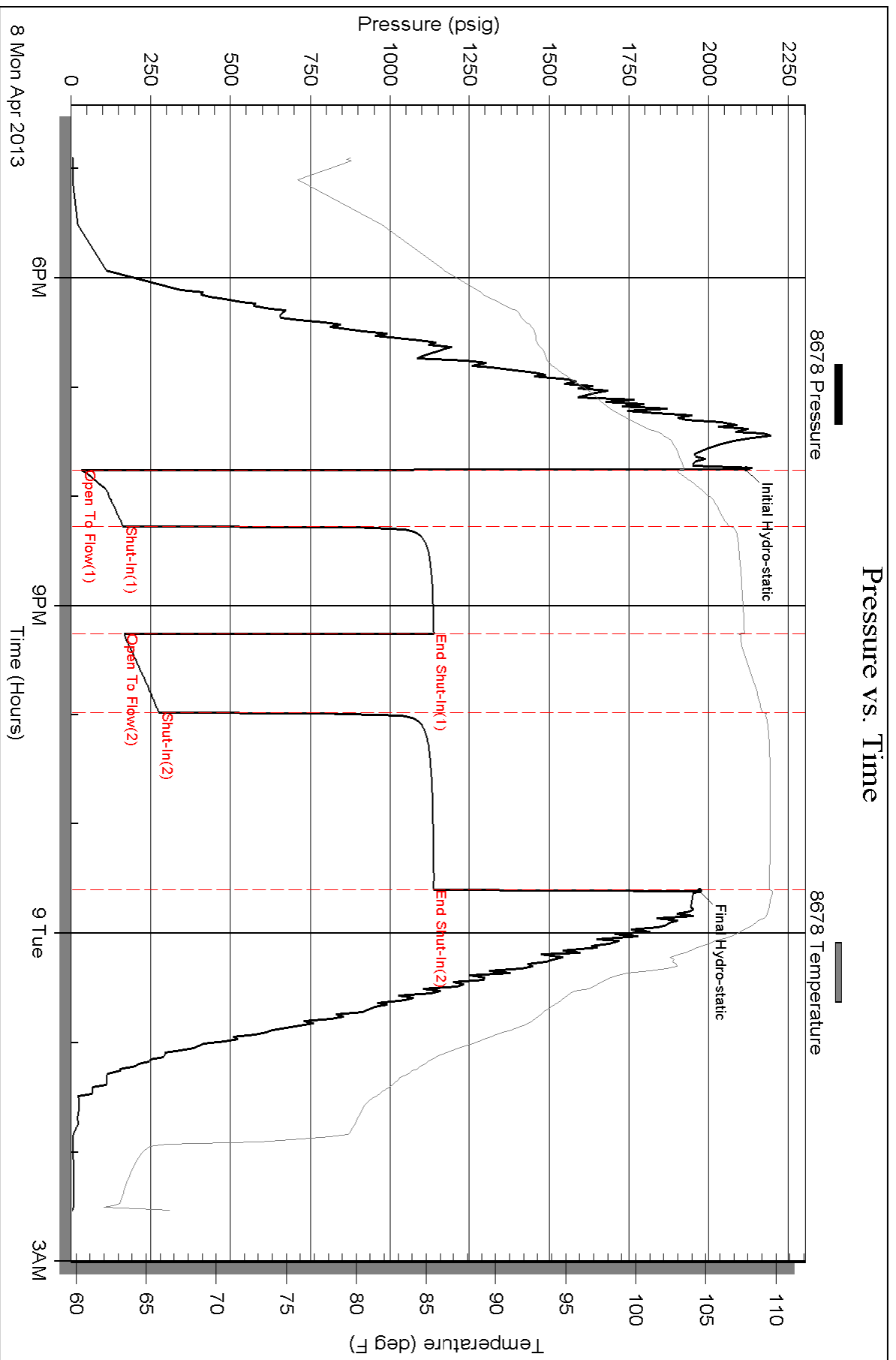
Serial #: 8678

Outside Raymond Oil Company Inc.

Shimanek #1

DST Test Number: 3

### Pressure vs. Time



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



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

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

June 11, 2013

Ted McHenry  
Raymond Oil Company, Inc.  
PO BOX 48788  
WICHITA, KS 67201-8788

Re: ACO1  
API 15-203-20216-00-00  
Shimanek 1  
SW/4 Sec.26-19S-36W  
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