



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1091907
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
-----------------------------------	-----------------	---

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: _____

1091907

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
--	---

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
----------------	-------	---------	------------	---

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> _____
---	--

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Max R. Lovely

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Raymond Oil Co.**
 LEASE **Lancaster Trust #1**
 FIELD **Wildcat**
 SECTION **NE SE NW SE**
 TOWNSHIP **18** RANGE **25** COUNTY **KS** **20W**
 SURFACE **Edwards**
 WELL NO. **H2 #3**
 DATE **7-25-12** **8-6-12**
 DEPTH **4854** **4852**
 LOG NO. **3705** **Chem.**

ELEVATIONS
2263
2253
KB
8 5/8" @ 356'
 DI MICRO
 SONIC COMP N/D

Anhydrite	1387			873	859
Heebner	3982	3976	-1713	-1717	-1717
Lansing	4101	4098	-1835	-1837	-1835
Stark	4348	4344	-2081	-2091	-2092
Hushpuckney	4395	4388	-2125	-2137	-2137
Altamont	4495	4490	-2227	-2238	-2233
Pawnee	4568	4566	-2303	-2307	-2309
Myric Station	4606	4603	-2340	-2346	-2347
Fl. Scott	4624	4624	-2361	-2370	-2369
Cherokee SH	4652	4649	-2386	-2393	-2393
Cherokee LS	4668	4666	-2403	-2411	-2409
Mississippi	4704	4702	-2439	-2444	-2459

Petroleum Prop. Rabe #1 W/2 SW NE 19-25-20W
 Mack Oil Ditches #1 NE NE 18-25-20W

NEGATIVE DST RESULTS CAUSE THE LAUGHER TRUST #1 TO BE
JUDGED AS NON-PRODUCTIVE.

RESPECTFULLY SUBMITTED

Mr. R. Jones

1700ND

WIND SPEED
DIRECTION
TEMPERATURE
RELATIVE HUMIDITY
PRESSURE
WIND CHILL
HEAT INDEX
UV INDEX
CLOUD COVER
VISIBILITY
WEATHER

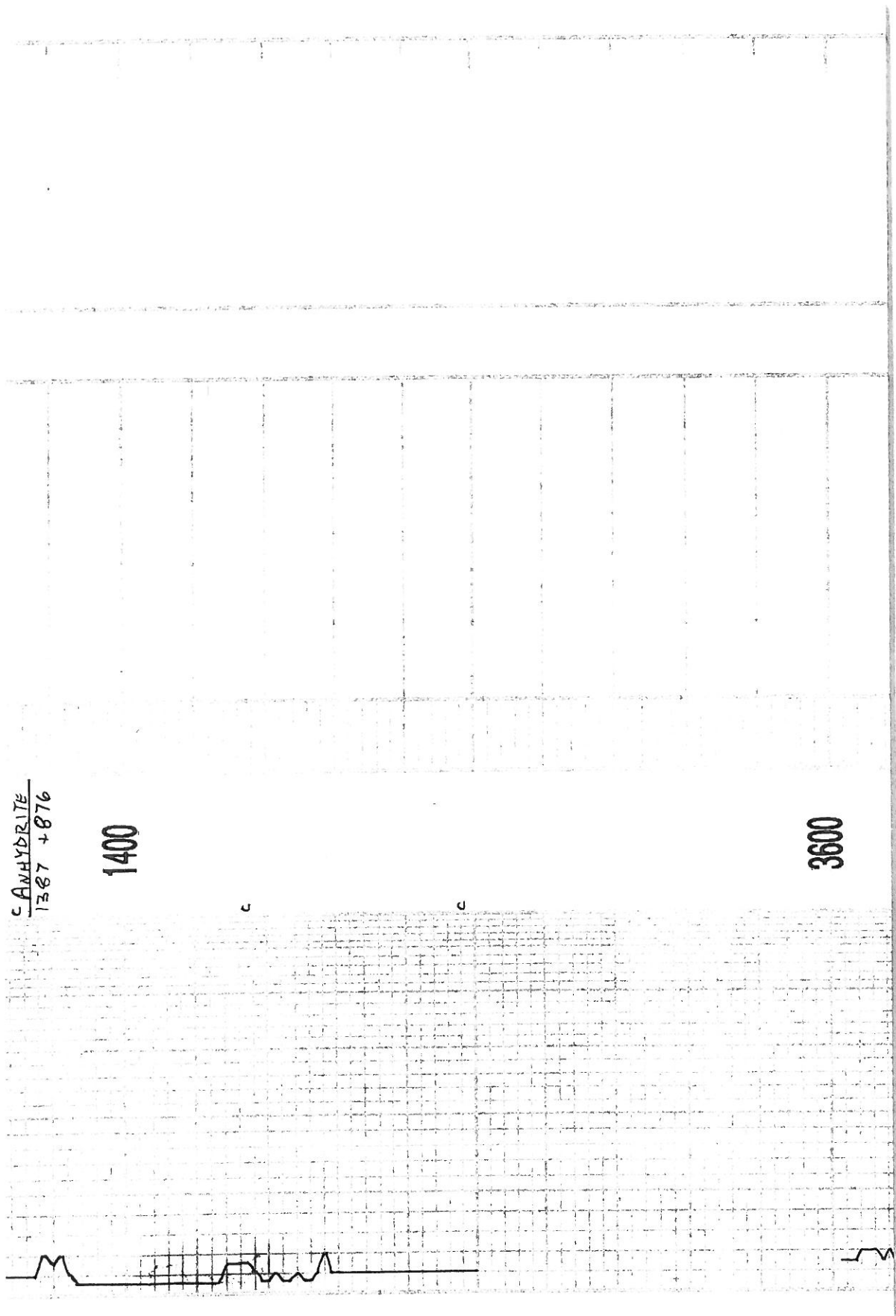
STATION NAME
ADDRESS
CITY
STATE
ZIP
ELEVATION
LATITUDE
LONGITUDE
TIME ZONE
LOCAL TIME
LOCAL DATE
LOCAL MONTH
LOCAL YEAR
LOCAL DAY
LOCAL HOUR
LOCAL MINUTE
LOCAL SECOND
LOCAL MILLISECOND
LOCAL TIMEZONE
LOCAL TIMEZONE OFFSET
LOCAL TIMEZONE NAME
LOCAL TIMEZONE CODE
LOCAL TIMEZONE DESCRIPTION
LOCAL TIMEZONE URL
LOCAL TIMEZONE WIKI
LOCAL TIMEZONE WIKI URL
LOCAL TIMEZONE WIKI DESCRIPTION
LOCAL TIMEZONE WIKI CODE
LOCAL TIMEZONE WIKI DESCRIPTION

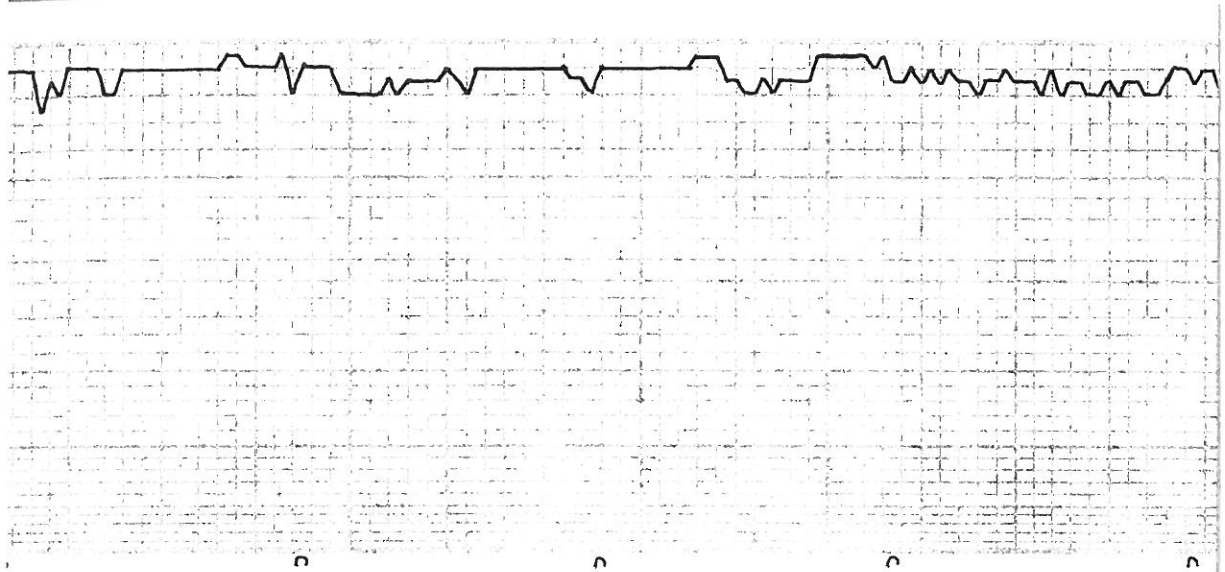


ANHYDRITE
1387 + 876

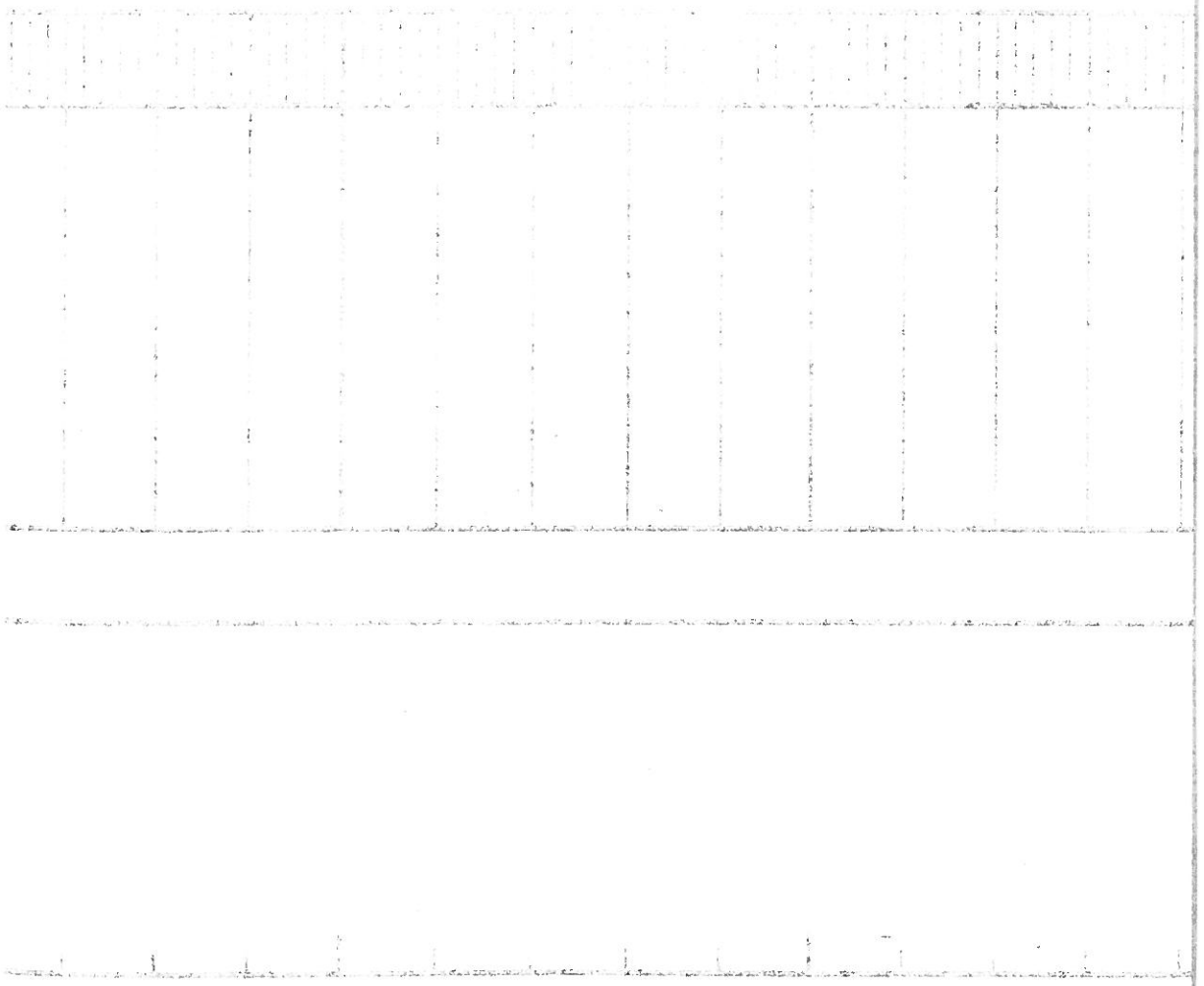
1400

3600



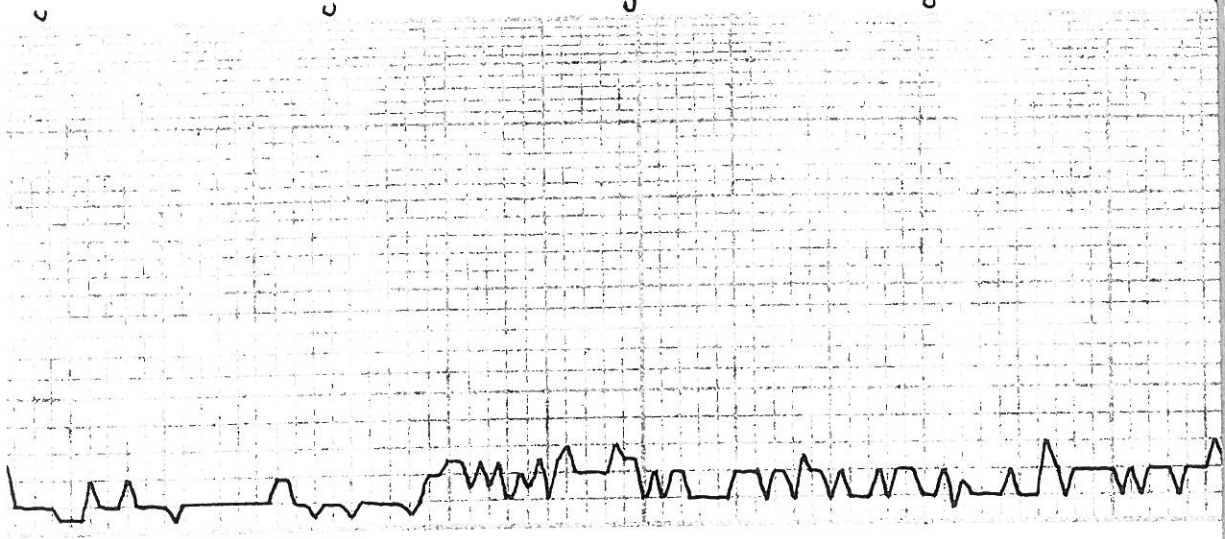


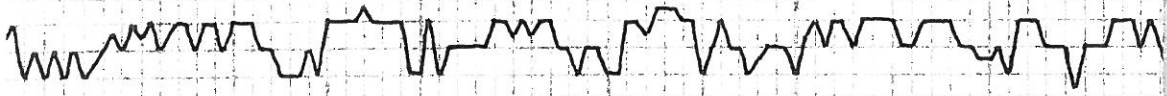
3700



5.1.1

3800





3900

HEEBNER
2902-1710

SH, BLK, HRD
SH, SLATE

LS, GRY, TAN, CRM, FXTLN, SOFT,
PDS CHLKY, P XTLN Ø, NS

LS, GRY, VF XTLN, DMS, HRD
VF EW MICRO FOS, TITE, NS

LS, TAN / BRN, SL G RNLK,
"ROTFEN", SL CHLKY, SOFT,
G Ø, NS

A. N.

CHT, WHT, SL WGHITN

LS, WHT, VF XTLN, DMS, HRD,
VP → TITE Ø, NS

CHT, GRY, WHT FOSS WH,
FRESH, NS

LS, TAN, WHT, GRY, VF XTLN,
DMS, S → M HRD, PDS & XTLN Ø,
NS

SH, BLK

STIMPLES ...
LAGGED

LS, GRY, VF XTLN, DNS, HRD,
T, TE, NS

LS, CRW, M XTLN, GRNLR TXT,
HRD, NO VIS, NS

CHLK, LMY, WHT, GRY, SOFT
NS

SH, GRN / GRY

SH, A.A.

SH, GRN

SH, GRY

4000

c BROWN
LIME
4086-1823

4100
LANSSING
4101-1838

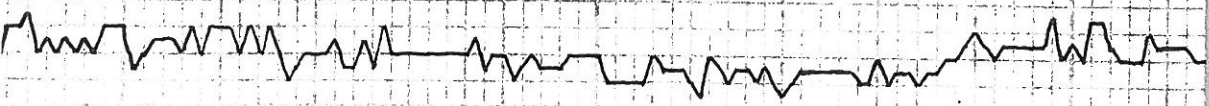
19 STAND SHORT TRIP

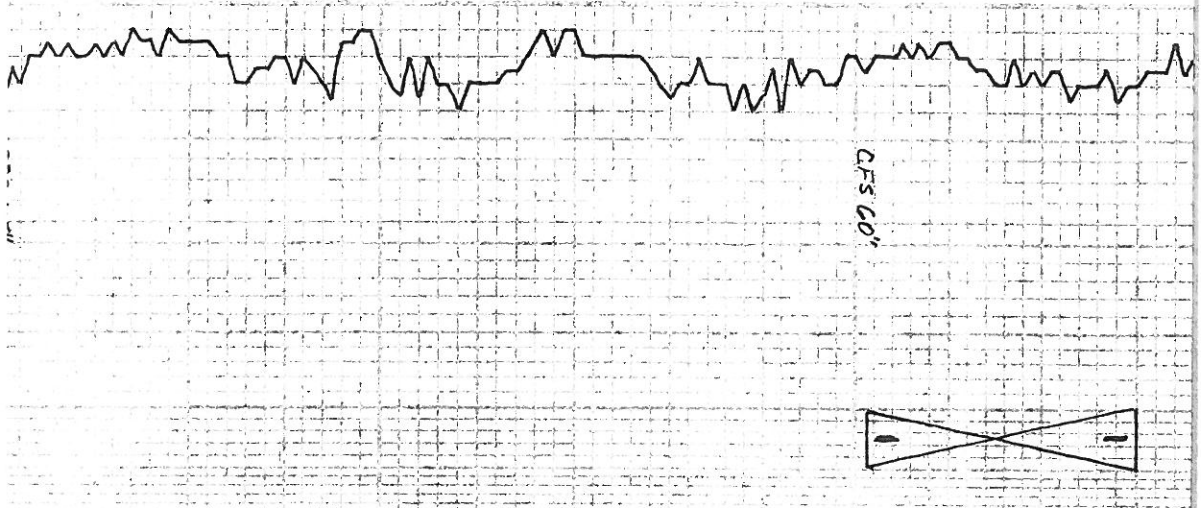
DST #1 4120 - 4149
30.60.45.90

IF: 4" 151:NR
FF: 3" FSI:NR

REC: 400' MW 118°
25000 CHLOR

FP: 33-135, 134-204
SID: 1246-1247





MUMCIE CREEK

4200

DEV 1/2''

CF3 60''

35'

4130-1867

CHLK, LMY, BUFE, WHT LS, BUFE, EXTLN, SCT STVS IN HRD P.W. MC	AA+TAN, CHT	CHT, WHT, CHINA WHT, SLOPAQ	LS, CRM, WHT, VE XTLN, CRYPTO, DMS, VHRD, TITE, WS	AA.	LS, CRM, WHT, EXTLN, SOFT, SL CHLKY, WS	TITE, WS	LS, WHT, VE XTLN, DMS, HRD,	SH, GRY	SH, GRY
---	-------------	-----------------------------	---	-----	--	----------	-----------------------------	---------	---------

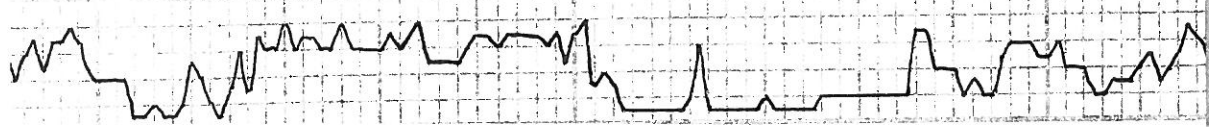
HP: 2030-1972

7:AM 8-1-12
CIRC @ 4149'
MUD CHECK
VIS SG WT 9.2
CHLR 6,900 LCM 0
FLT 10.8

SAMPLES NOT LAGGED
4149' TO TD

STRAP 4175.83
BOARD 4177.66
SHORT 1.83

4240 - 1977



L.S, BUFF, CRM, F XTLN, DNS,
HRD, TITE, NS

L.S, TAN, BRN, F XTLN, LG XTLN
Pcs REXTLD FRACS, P, NS

SH, BLK
L.S, CRM, F XTLN, M HRD, SCT,
DOM, SL, DOC, NS

L.S, BUFF, BOL, V DOC, HRD,
V W CMTD, NS

A.A.
L.S, TAN, VF XTLN, DNS, HRD,
SL BRITL, NS, NO P

L.S, WH, CRM, F XTLN, ABUN
FOSS + FRACS, F CMT'D, NO
APPS

L.S, A.A.
L.S, TAN, BUFF, M → CRS XTLN,
SL DOM, G XTLN, NS

L.S, WH, V OOL, SL FOSS, PXTN,
CMTD, SOFT, P, NS

45" L.S, CRM, BUFF, OOL, VG DOC/
DOM, HRD, V SL VUG P, NS

L.S, GRY, BUFF, VF XTLN, DNS, HRD,
SL FOSS, TITE, NS

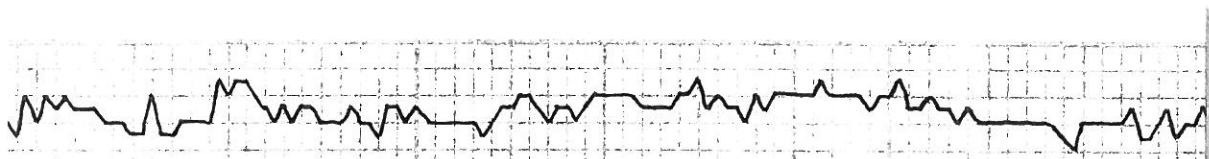
SH, GRY, DK GRY
L.S, BUFF, M XTLN, NS

4300

STARK
4348 - 2085

7:AM 8-2-12
D RLG @ 4335'

CES 45



HUSTRUCKMEY
 4305-2132
 4400

SL VUG ϕ , ? PERM, NS
 LS, TAN, WHT/TAN, F₂M XTLN,
 V FOSS, HRD, WE APP, NS

SH, GRY, GRU

LS, TAN, BUFE, F XTLN, SL OOL,
 V DOC, HRD, GB, POOR PERM
 NS

SH, GRY, DK GRY/BLK

LS, BUFE

LS, TAN, BUFE, F XTLN, CONGL,
 ABU LS FRAGS, P₂F₂ CNTD,
 P₂F₂, NS

LS, TAN, BRN LS WELLS W/W,
 FOSS, V F XTLN, HRD, NO APP,
 NS

SH, GRY, BLK

LS, TAN, TAN/WHT, V F XTLN,
 MOSTLY CRYP TO, POS V FOSS,
 V HRD, DMS, NO ϕ , NS

LS, CRM, F₂M XTLN, HRD,
 G INT XTLN ϕ , NS

LS, BRN, V F XTLN, SL OPAQ

MUD CHECK
 VIS 50 WT 9.3
 CHLOR 8,200 LCM/1/2
 FILT 11.6



4495 -2232
4500

'C'

PAWNEE
4568 -2305

4600
MYRIC
4606 -2343

4495 -2232
4500

'C'

PAWNEE
4568 -2305

4600
MYRIC
4606 -2343

XTLS, DNS, BRITL, MKD, MUP NS

SH, GRY, GRN

LS, TAN, V F XTLN, CRPTO, DNS, V HRD, TITE, NS

LS, TAN, A.A.

LS, TAN, BUFF, V F XTLN, M HRD, PES CHLKY, NS

CHT, WHT, SMOKE, FRESH, SCT FOSS, NS

LS, WHT, F XTLN, M XTLS W/N, M HRD, BRITL, TITE → P, NS

LS, CRM/GRY, V F XTLN, V DNS, CRYPTO, TITE, NS

SH, BLK, GRY

LS, TAN, BRN, F XTLN MATRIX, M HRD, M → LG REN LS W/N, V P, NS

45" LS, BUFF, F XTLN, SL CHLKY, MOSTLY TITE, NS

V SHLY

LS, BUFF, SL CHTY (PEACH) V F XTLN, DNS, HRD, TITE, NS

LS, TAN, BRN, F XTLN, SCT FOSS, V HRD, DNS, TITE, NS

30/60' LS, WHT, F XTLN, CHLKY TX, V LT OIL

A WOB ↓

SH FLOOD

DST #2 8 STND SHORT TRIP

DST #2 4588 -4649
30.60 -30.60

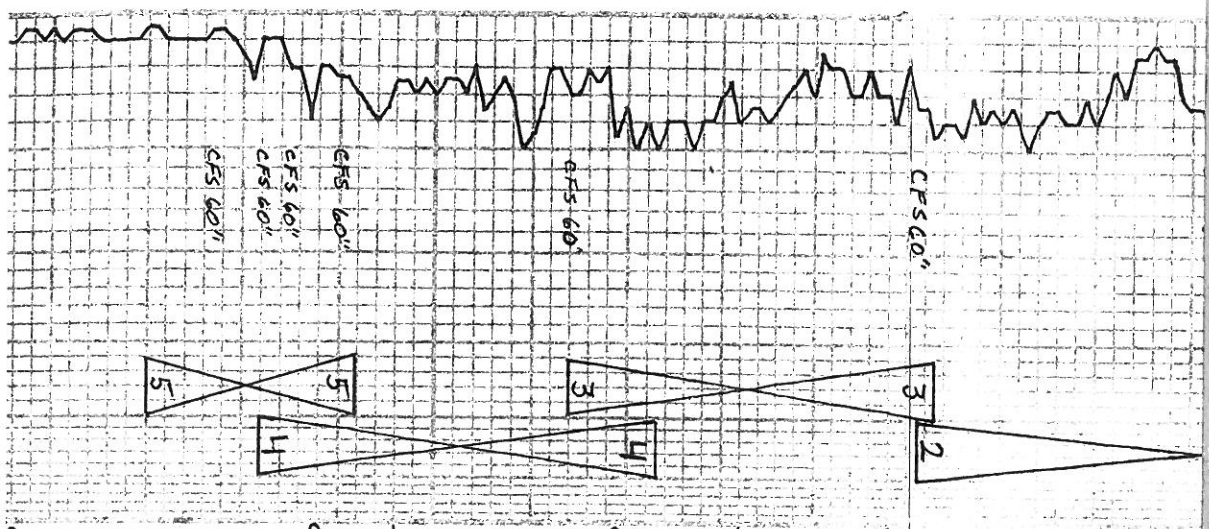
JF: DEAD 2" ISI: NR
FF: DEAD FSI: NR
REC: 3'M

FP: 24-27, 25-25
SIP: 479-149
HP: 2297-2204

DST #3 4647-4686
30.60 -30.60

IF: DEAD 3" ISI: NR
FF: DEAD FSI: NR
REC: 5' OSM TRO 118°

FP: 18-22, 21-24
SIP: 140-53
HP: 2355-2258



FT SCOTT
4627-2364

DEV 1/2
CHEROKEESH
4652-2389

CHEROKEELS
4668-2405

4700
MISS
4704-2441

MICRO FO ON BRK, V SL TR
SHD GAS BBL
LS STW, M HRD, F XTLW & FLUOR
D SAT Y STW, GASSY SWEET
ODOR, PEG V SOFT, G KERAC

30" LS, GRY, SL CHLKY, VF XTLW,
60" V HRD, SCT FLUOR STWG,
PP FLUOR FROM BRK, WLT
ODOR, SL FRAC ID STWG
60" LS, BRN, W HRD, F XTLW,
SL BRITL, TITE

SH, GRY

LS, BUFF, BRN, F XTLW, CRX XTLW W/W,
G CRSTLN B, HRD, SCT FOSS, MS
20" LS, TAN V XTLW, HRD DMS, REF SCT
FRAC FINE CHLK, CHLK 45% P W/PCS
G FO OIL BRK, FLUOR D VLT ODR
HS LS, WHT, VF XTLW, FCS CHLKY W/50,
REF WHT PCS W/ VLT XTLW W/50,
BLEED, FLUOR OIL, VIT BRND STW
60" LS, BRN, V XTLW, DMS, HRD, TITE

SH, GRN-GRY
SH, LT GRN, V PUR TIC

LS, BRN, F XTLW, D MS, HRD, TITE, MS
CHT, WHT, BONE, SMOKE, SK, FOSS,
60" CHT WHT, REN A OIL EDGES, G
FLUOR FO T SAT B W REN W CMTD
5" WY XTLW B, FO DROPS ON SURFACE
50" DOLO, WHT, G FLUOR SAT STWG, FO
LPE: G ODR, DIC SAT STWG STKS
60" WEA A, HVY BRN STWG, HVY ODR,
SCT ATRY DOLO W/HVY D SAT, SK GAS
V SLO BLEED

CHT, WHT, REN A, W CHTB, SCT DOLO
G FLUOR O STWG, G ODR, HHD ODR
V HRD, G PP
CHT, WHT, GRY, SMOKE, FRESH, MS

7:AM 8-3-12

GIH w/Tool DST#2
MUD CHECK
VIS 66 WT 9.25
CHLOR 5400 LCM 2
FILTR 9.2

7:AM 8-4-12

OUT w/ DST #3
MUD CHECK
VIS 51 WT 9.3
CHLOR 8600 LCM 1 1/2
FILTR 14.4

7:AM 8-5-12

CIRC @ 4723'
DST #4 4677-4718
FE: DEAD 7" 131:WR
FE: NB 30.60.30.60
FSI: WR
OCT. IN COSM

FF: N/B FSI: NR
 REC: 10' SDSM
 FP: 18-24, 25-26
 SIP: 175-75
 HP: 2328-2278

DST #5 (STRADDLE)
 4708-4730
 30.60.45.90
 IF: 8 1/2" FSI: NR
 FF: 7 1/2" FSI: NR
 REC: 760' 50SMW
 70% W 30% M
 FP: 47-196, 200-302
 SIP: 1499-1494
 HP: 2371-2269

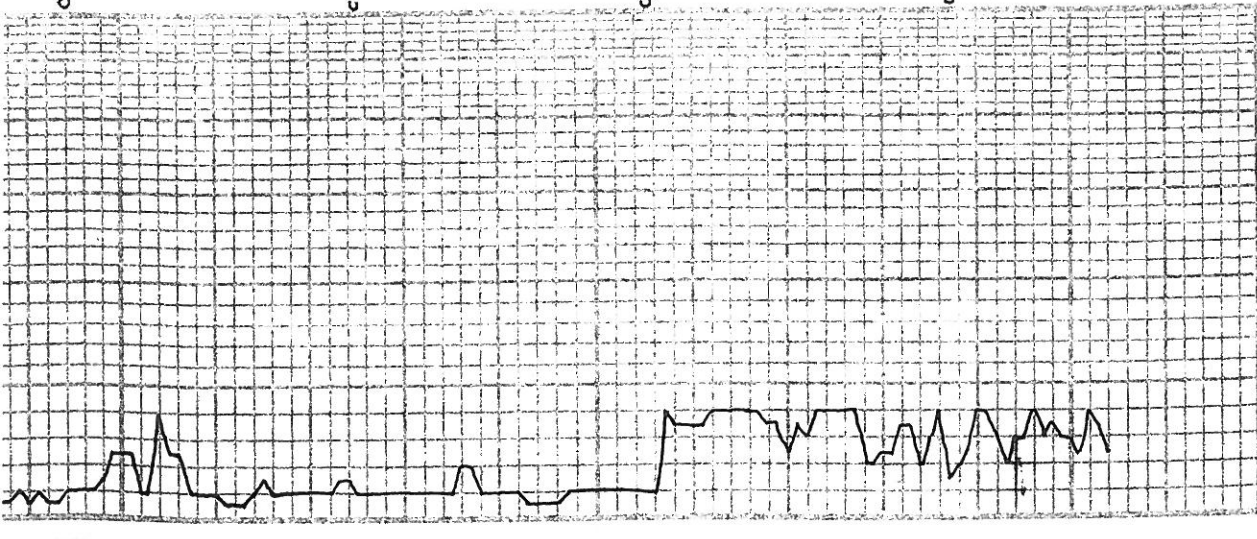
MUD CHECK
 VIS 56 WT 9.45
 CHLOR 9,600 LCM 1
 FILT 14.4

8-6-12 7:AM
 DST #5...TD 4854
 MUD CHECK
 VIS 44 WT 9.35
 CHLOR 11,200 LCM 1
 FILT 15.2

A A	CHT, WHT, GR, SMOKE, FRESH, NS
A A	CHT, WHT, BONE, REW, V HRD, TITE, NS
A A	DOL, WHT, SL SUCK, SL GRNLR, V HRD, TITE
A A	DOL, WHT, OFF WHT, SUCK, SFT SML VUGS, MOSTLY HRD + TITE, NS
A A	DOL, BONE, OFF WHT, SUCK, HRD NS
A A	CHT, WHT, CHIMA WHT, ? FRAC'D, V SL FOSS IMPCS, NS
A A	A.A.
A A	CHT, BRT WHT, V SL OPAR, FRESH
A A	CHT A.A.
A A	DOL, OFF WHT, HRD, SOCR, NS
A A	LS TAN, VF XLN, V HRD, V DMS, FOSS, TITE, NS
A A	LS, GRM, VF XLN, V SL CHLKY, M HRD -> HRD, BRT, F XTAMP, NS
A A	CHT, WHT, FRESH, SL FOSS
A A	CHT, WHT, GRN, FRAGS, SL DOL, HRD, WCMT'D, UP Ø, NS
A A	CHT, A.A.
A A	DOL, WHT, FG GRNLR, SOFT, SL SUCK, G INT GRNLR Ø, NS

4800

DEV 10





CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 37047

LOCATION Oakley

FOREMAN Joe Blanchard

Fuzzy Mocollick

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												
7-26-12	7158	Lawcaster trust #1	18	25	20	Edwards												
CUSTOMER Raymond Oil Company			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>463</td> <td>Cory D</td> <td></td> <td></td> </tr> <tr> <td>4567129</td> <td>Wes F</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	463	Cory D			4567129	Wes F		
TRUCK #	DRIVER	TRUCK #					DRIVER											
463	Cory D																	
4567129	Wes F																	
MAILING ADDRESS																		
CITY	STATE	ZIP CODE																

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 356 CASING SIZE & WEIGHT 8 5/8 20"
 CASING DEPTH 356 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15'
 DISPLACEMENT 21.40 DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 bpm

REMARKS: Safety Meeting Rig up on H2 Rig 3 Circ on Bottom Mix 250 SKS
Cement Class A 3% Cal 2% gel Pumped 21.40 bbl H2O to displace shut
well in

Circ 7 bbl cement to pit

Thanks
Joe + Fuzzy

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54013	1	PUMP CHARGE	1085.00	1085.00
5406	60	MILEAGE	5.00	300.00
11043	250SKS	CLASS 'A' Cement	17.65	4412.50
1102	705	Calcium chloride	.89	627.45
1118B	470	Gel	.25	117.50
5407	11.75	Ton Milage delivery	16.7	1177.80
Sub Total				7720.25
Less 10% Disc				772.03
Sub Total				6948.22
			SALES TAX	338.84
			ESTIMATED TOTAL	7287.06

Handwritten signature

COMPLETED

Ravin 3737

AUTHORIZATION _____ 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

251598



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Co in
 PO Box 48788
 Wichita Ks. 67202+1822
 ATTN: Max Lovely

18-25s-20w Edwards
Lancaster Trust #1
 Job Ticket: 47907 **DST#: 1**
 Test Start: 2012.08.01 @ 12:05:05

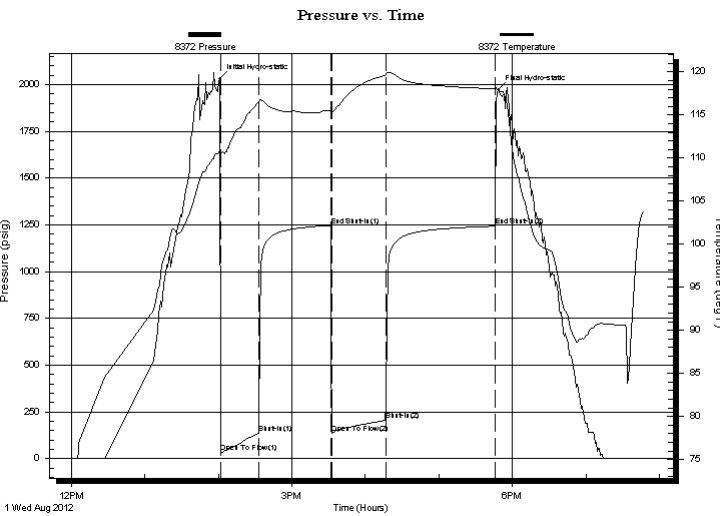
GENERAL INFORMATION:

Formation: **Lans 35**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:01:50
 Time Test Ended: 19:48:39
 Interval: **4120.00 ft (KB) To 4149.00 ft (KB) (TVD)**
 Total Depth: 4149.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2263.00 ft (KB)
 2254.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8372 Outside

Press @ Run Depth: 204.40 psig @ 4121.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.01 End Date: 2012.08.01 Last Calib.: 2012.08.01
 Start Time: 12:05:05 End Time: 19:48:40 Time On Btm: 2012.08.01 @ 14:01:10
 Time Off Btm: 2012.08.01 @ 17:48:29

TEST COMMENT: IF:(30min) Fair blow 2" in 6 min, 3.5" in 19 min, 4" in 30 min.
 ISl:(60min) No Return
 FF:(45min) 2" in 14 min, built to 3" in 38 min
 FSl:(90min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2030.22	110.82	Initial Hydro-static
1	33.52	109.67	Open To Flow (1)
32	135.10	116.49	Shut-In(1)
91	1246.23	115.51	End Shut-In(1)
92	134.84	115.00	Open To Flow (2)
136	204.40	119.64	Shut-In(2)
225	1242.10	118.06	End Shut-In(2)
228	1972.76	117.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
400.00	MW	2.79

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co in
PO Box 48788
Wichita Ks. 67202+1822
ATTN: Max Lovely

18-25s-20w Edwards
Lancaster Trust #1
Job Ticket: 47907 **DST#: 1**
Test Start: 2012.08.01 @ 12:05:05

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:	25000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
400.00	MW	2.786

Total Length: 400.00 ft Total Volume: 2.786 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Resistivity- .173 @ 112 deg = 25000

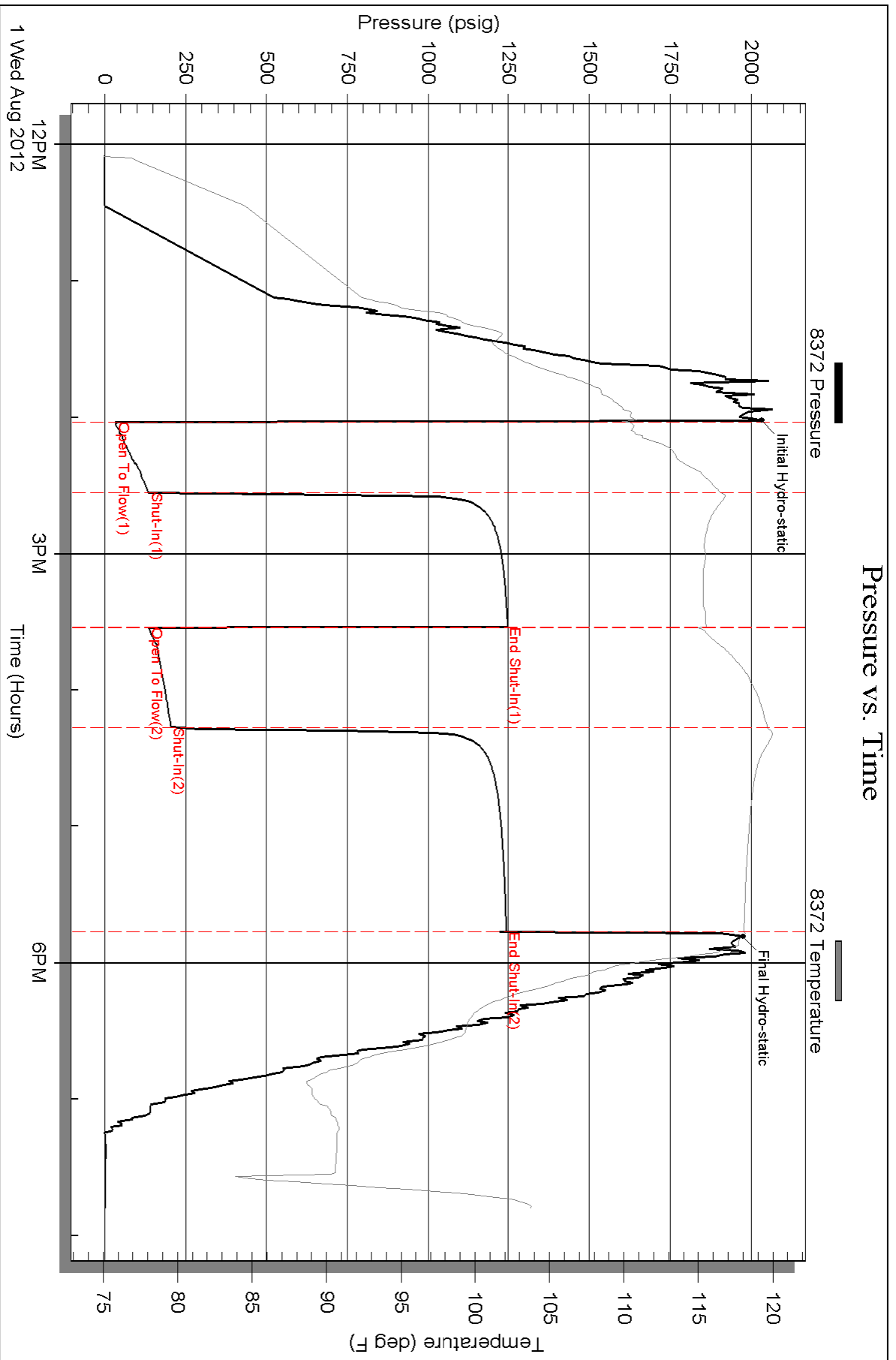
Serial #: 8372

Outside Raymond Oil Co in

Lancaster Trust #1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47907

Printed: 2012.08.02 @ 08:02:22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oil Co in
PO Box 48788
Wichita Ks. 67202+1822
ATTN: Max Lovely

18-25s-20w Edwards
Lancaster Trust #1
Job Ticket: 47908 **DST#: 2**
Test Start: 2012.08.03 @ 07:55:05

GENERAL INFORMATION:

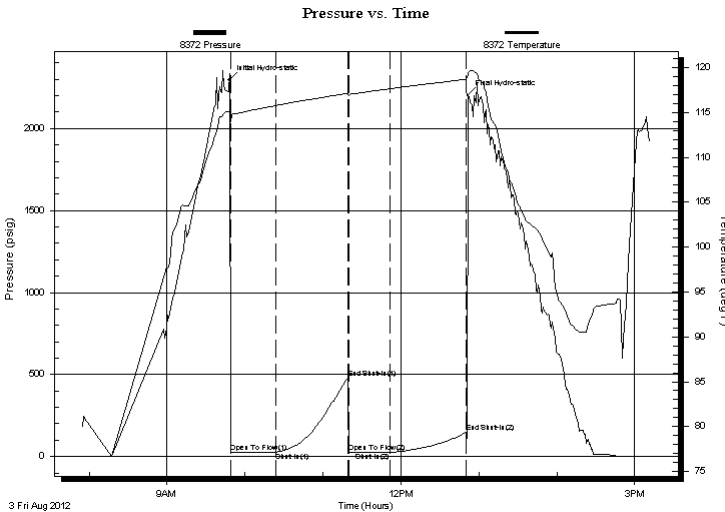
Formation: **Myric/Ft Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:48:50
Time Test Ended: 15:11:50
Interval: **4588.00 ft (KB) To 4649.00 ft (KB) (TVD)**
Total Depth: 4649.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 39
Reference Elevations: 2263.00 ft (KB)
2254.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8372 Outside

Press @ Run Depth: 25.60 psig @ 4594.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.08.03 End Date: 2012.08.03 Last Calib.: 2012.08.03
Start Time: 07:55:05 End Time: 15:11:50 Time On Btm: 2012.08.03 @ 09:48:10
Time Off Btm: 2012.08.03 @ 12:51:39

TEST COMMENT: IF:(30min) Blow died in 2 min.
ISl:(60min) No Return
FF:(30min) No Blow
FSl:(60min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2297.51	115.24	Initial Hydro-static
1	24.79	113.97	Open To Flow (1)
36	27.33	115.76	Shut-In(1)
92	479.93	117.16	End Shut-In(1)
92	25.64	116.90	Open To Flow (2)
124	25.60	117.66	Shut-In(2)
182	149.37	118.71	End Shut-In(2)
184	2204.12	119.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co in
PO Box 48788
Wichita Ks. 67202+1822
ATTN: Max Lovely

18-25s-20w Edwards
Lancaster Trust #1
Job Ticket: 47908 **DST#: 2**
Test Start: 2012.08.03 @ 07:55:05

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: 66.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5400.00 ppm			
Filter Cake: inches			

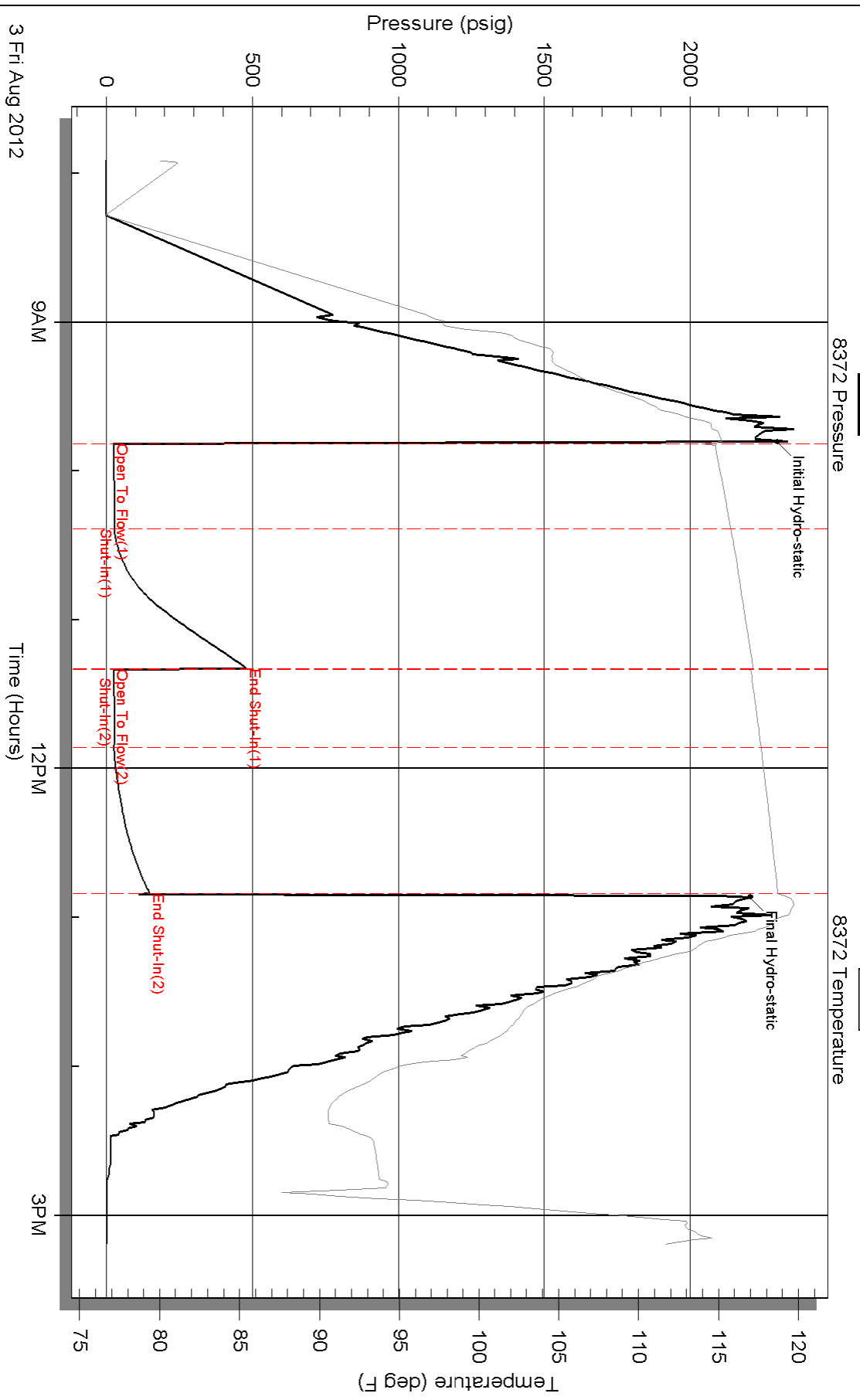
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Raymond Oil Co in
PO Box 48788
Wichita Ks. 67202+1822
ATTN: Max Lovely

18-25s-20w Edwards
Lancaster Trust #1
Job Ticket: 47909 **DST#: 3**
Test Start: 2012.08.04 @ 01:05:05

GENERAL INFORMATION:

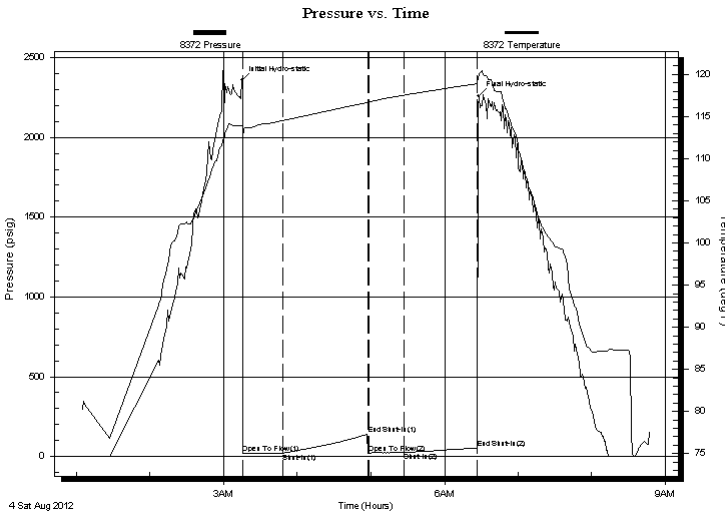
Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:15:40
Time Test Ended: 08:47:09
Interval: **4647.00 ft (KB) To 4686.00 ft (KB) (TVD)**
Total Depth: 4686.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 39
Reference Elevations: 2263.00 ft (KB)
2254.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8372 Outside

Press @ Run Depth: 24.39 psig @ 4648.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.08.04 End Date: 2012.08.04 Last Calib.: 2012.08.04
Start Time: 01:05:05 End Time: 08:47:10 Time On Btm: 2012.08.04 @ 03:14:50
Time Off Btm: 2012.08.04 @ 06:27:50

TEST COMMENT: IF:(30min) Blow died in 3 min.
ISl:(60min) No Return
FF:(30min) No Blow
FSl:(60min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2355.99	113.92	Initial Hydro-static
1	18.27	112.46	Open To Flow (1)
34	22.24	114.54	Shut-In(1)
103	140.74	116.68	End Shut-In(1)
104	21.89	116.78	Open To Flow (2)
132	24.39	117.54	Shut-In(2)
192	53.73	118.91	End Shut-In(2)
193	2258.13	119.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOSM	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Raymond Oil Co in
PO Box 48788
Wichita Ks. 67202+1822
ATTN: Max Lovely

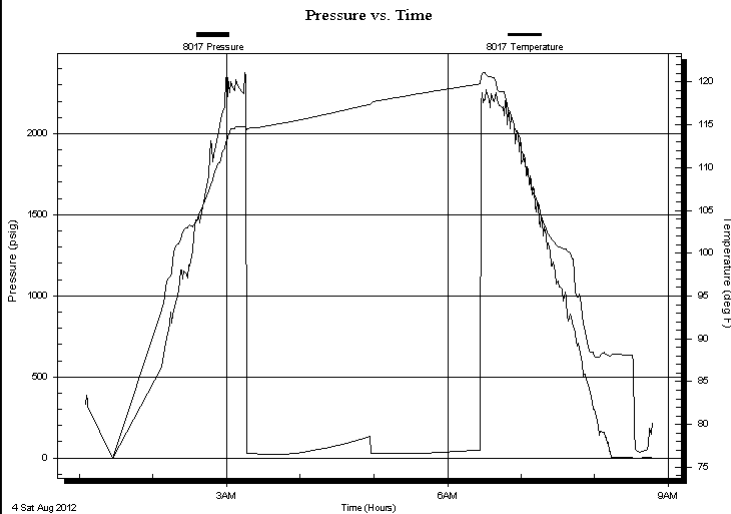
18-25s-20w Edwards
Lancaster Trust #1
Job Ticket: 47909 **DST#: 3**
Test Start: 2012.08.04 @ 01:05:05

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:15:40
Time Test Ended: 08:47:09
Interval: **4647.00 ft (KB) To 4686.00 ft (KB) (TVD)**
Total Depth: 4686.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 39
Reference Elevations: 2263.00 ft (KB)
2254.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8017 Inside
Press @RunDepth: psig @ 4648.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.08.04 End Date: 2012.08.04 Last Calib.: 2012.08.04
Start Time: 01:05:05 End Time: 08:47:09 Time On Btm:
Time Off Btm:

TEST COMMENT: IF:(30min) Blow died in 3 min.
ISl:(60min) No Return
FF:(30min) No Blow
FSl:(60min) No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOSM	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co in
PO Box 48788
Wichita Ks. 67202+1822
ATTN: Max Lovely

18-25s-20w Edwards
Lancaster Trust #1
Job Ticket: 47909 **DST#: 3**
Test Start: 2012.08.04 @ 01:05:05

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: 66.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOSM	0.025

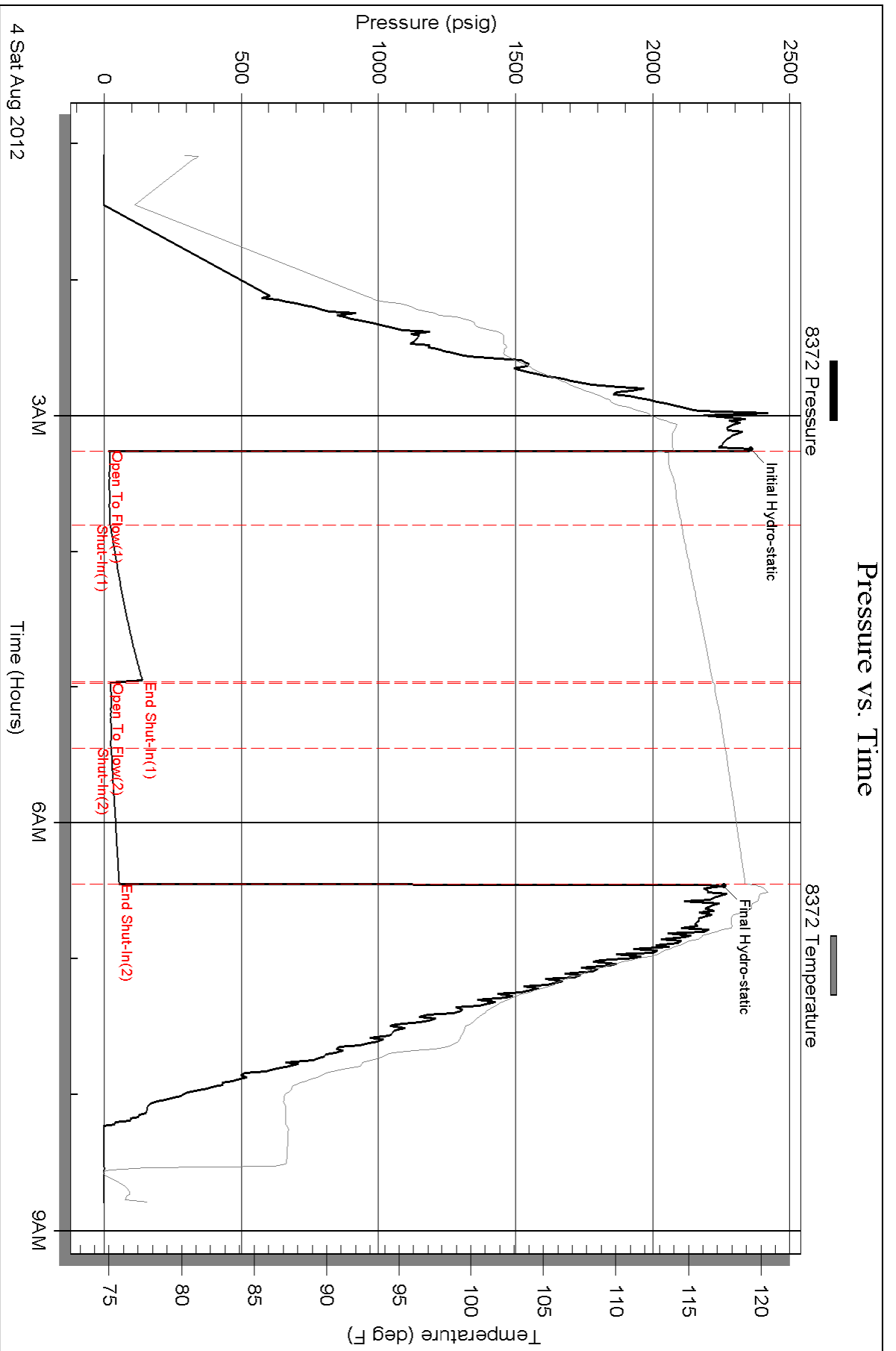
Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8372

Outside Raymond Oil Co in

Lancaster Trust #1

DST Test Number: 3



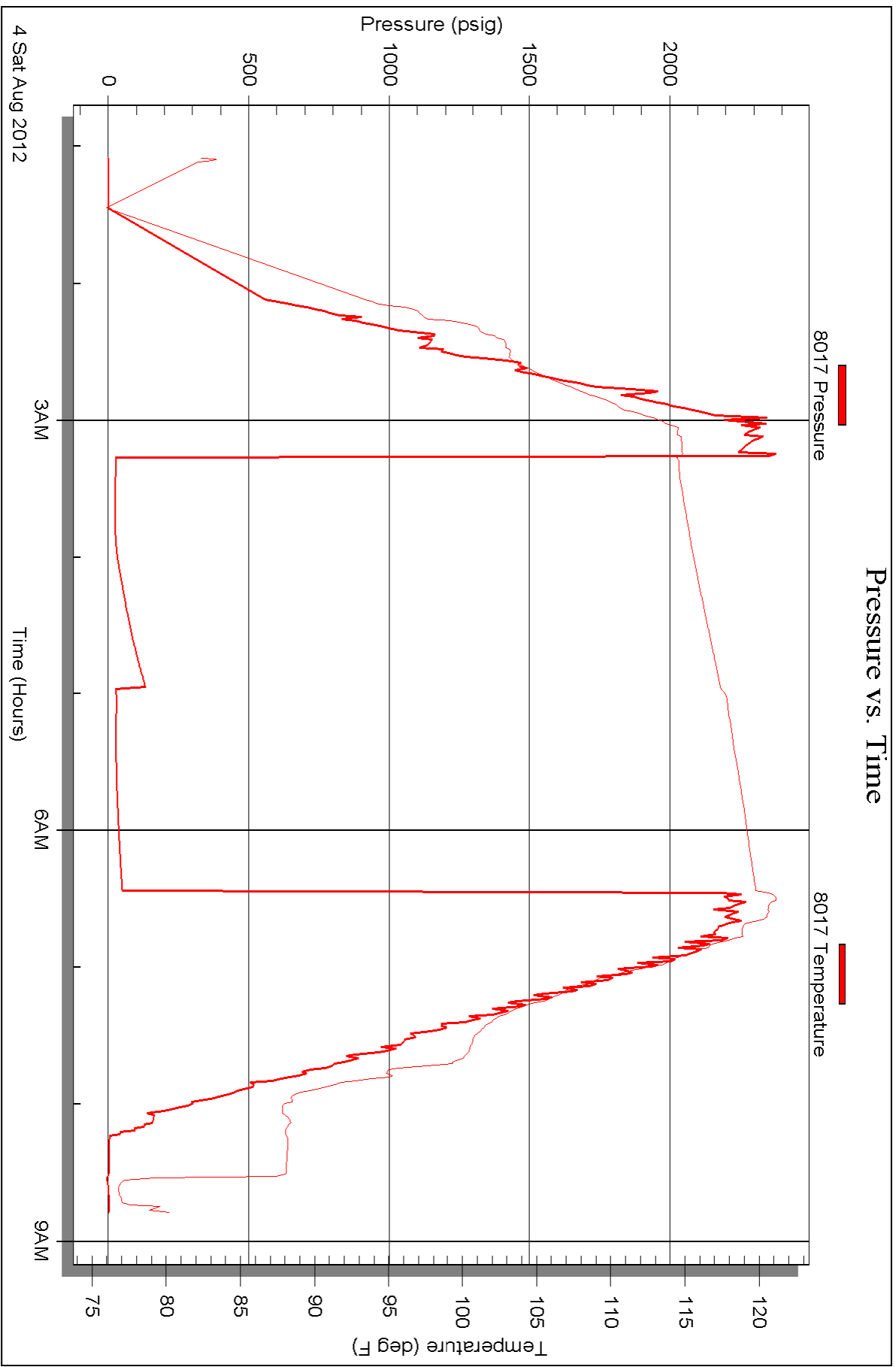
Serial #: 8017

Inside

Raymond Oil Co in

Lancaster Trust #1

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oil Co in
PO Box 48788
Wichita Ks. 67202+1822
ATTN: Max Lovely

18-25s-20w Edwards
Lancaster Trust #1
Job Ticket: 47910 **DST#: 4**
Test Start: 2012.08.04 @ 20:00:05

GENERAL INFORMATION:

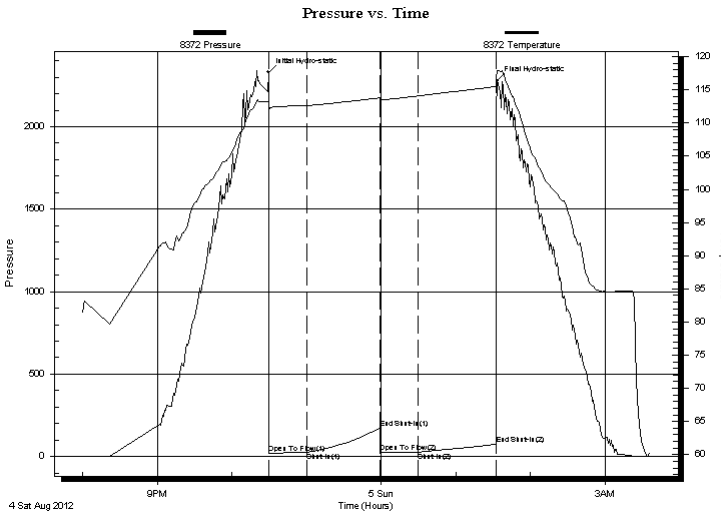
Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:30:00
Time Test Ended: 03:35:50
Interval: **4677.00 ft (KB) To 4718.00 ft (KB) (TVD)**
Total Depth: 4718.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 39
Reference Elevations: 2263.00 ft (KB)
2254.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8372 Outside

Press @ RunDepth: 26.68 psig @ 4678.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.08.04 End Date: 2012.08.05 Last Calib.: 2012.08.05
Start Time: 20:00:05 End Time: 03:35:50 Time On Btm: 2012.08.04 @ 22:29:20
Time Off Btm: 2012.08.05 @ 01:33:20

TEST COMMENT: IF:(30min) Blow died in 9 min.
ISl:(60min) No Return
FF:(30min) No Blow
FSl:(60min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2328.74	113.16	Initial Hydro-static
1	18.73	111.74	Open To Flow (1)
31	24.40	112.65	Shut-In(1)
90	175.06	113.81	End Shut-In(1)
90	25.97	113.69	Open To Flow (2)
120	26.68	114.09	Shut-In(2)
183	75.68	115.50	End Shut-In(2)
184	2278.40	117.94	Final Hydro-static

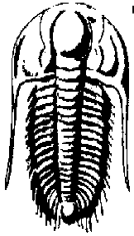
Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOSM	0.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Co in
PO Box 48788
Wichita Ks. 67202+1822
ATTN: Max Lovely

18-25s-20w Edwards
Lancaster Trust #1
Job Ticket: 47910 **DST#: 4**
Test Start: 2012.08.04 @ 20:00:05

GENERAL INFORMATION:

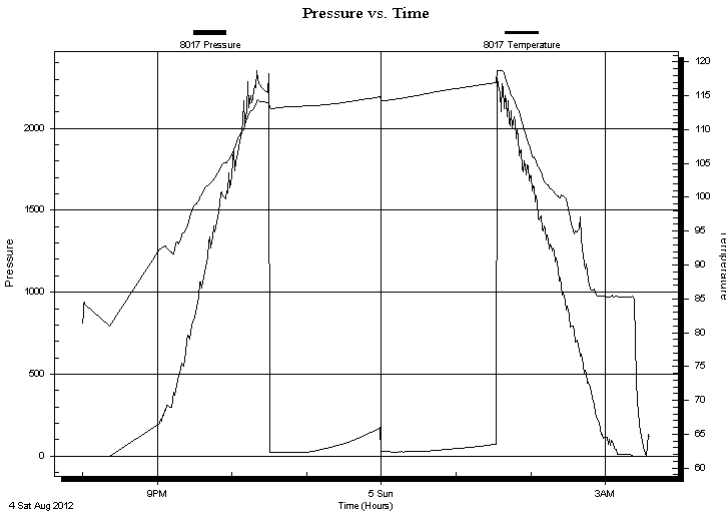
Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 22:30:00
Tester: Andy Carreira
Time Test Ended: 03:35:50
Unit No: 39
Interval: **4677.00 ft (KB) To 4718.00 ft (KB) (TVD)**
Reference Elevations: 2263.00 ft (KB)
2254.00 ft (CF)
Total Depth: 4718.00 ft (KB) (TVD)
KB to GR/CF: 9.00 ft
Hole Diameter: 7.88 inches
Hole Condition: Fair

Serial #: 8017 Inside

Press @ Run Depth: psig @ 4678.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.08.04 End Date: 2012.08.05 Last Calib.: 2012.08.05
Start Time: 20:00:05 End Time: 03:35:50 Time On Btm:
Time Off Btm:

TEST COMMENT: IF:(30min) Blow died in 9 min.
ISl:(60min) No Return
FF:(30min) No Blow
FSl:(60min) No Return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOSM	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co in
PO Box 48788
Wichita Ks. 67202+1822
ATTN: Max Lovely

18-25s-20w Edwards
Lancaster Trust #1
Job Ticket: 47910 **DST#: 4**
Test Start: 2012.08.04 @ 20:00:05

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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8600.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOSM	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

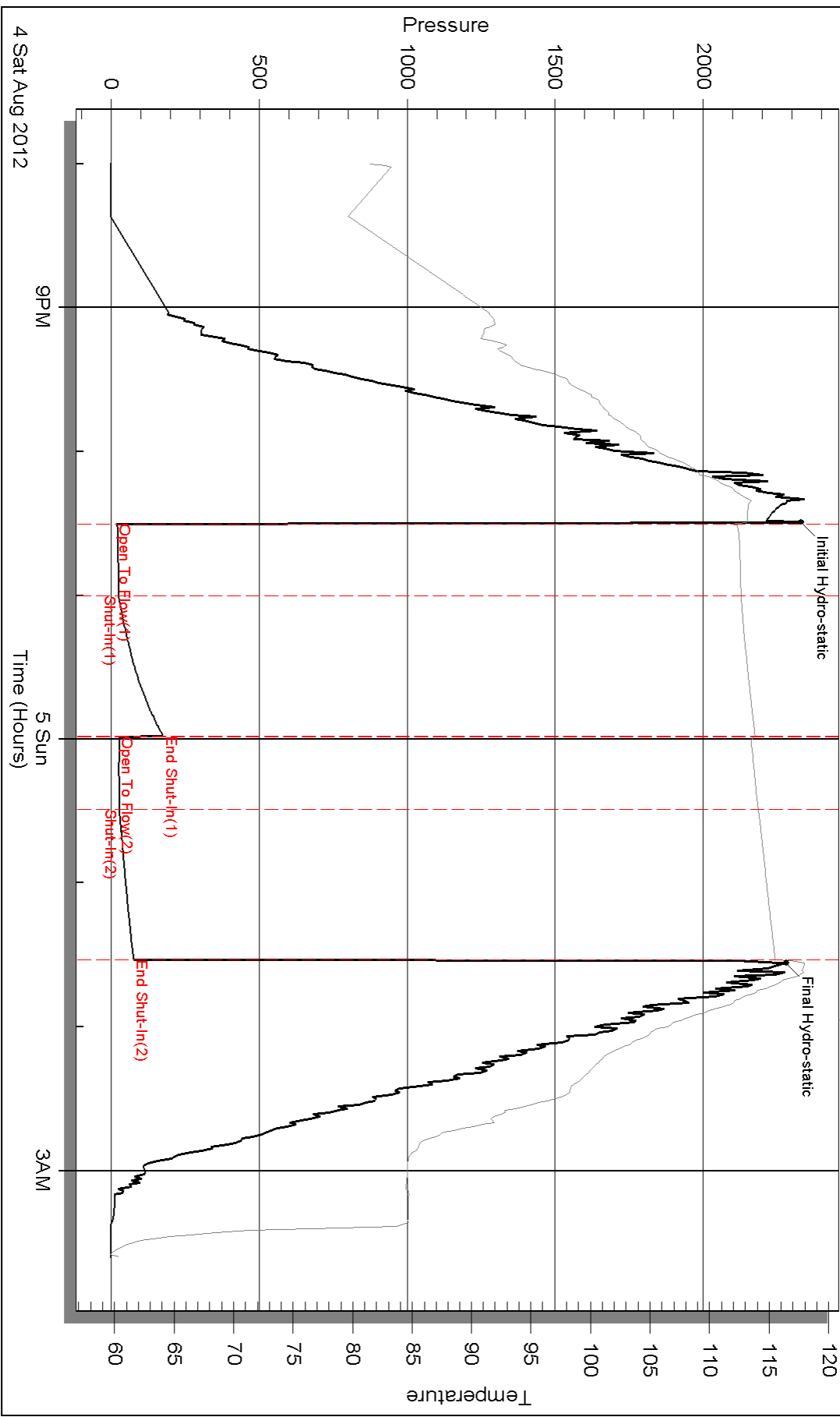
Serial #: 8372

Outside Raymond Oil Co in

Lancaster Trust #1

DST Test Number: 4

Pressure vs. Time



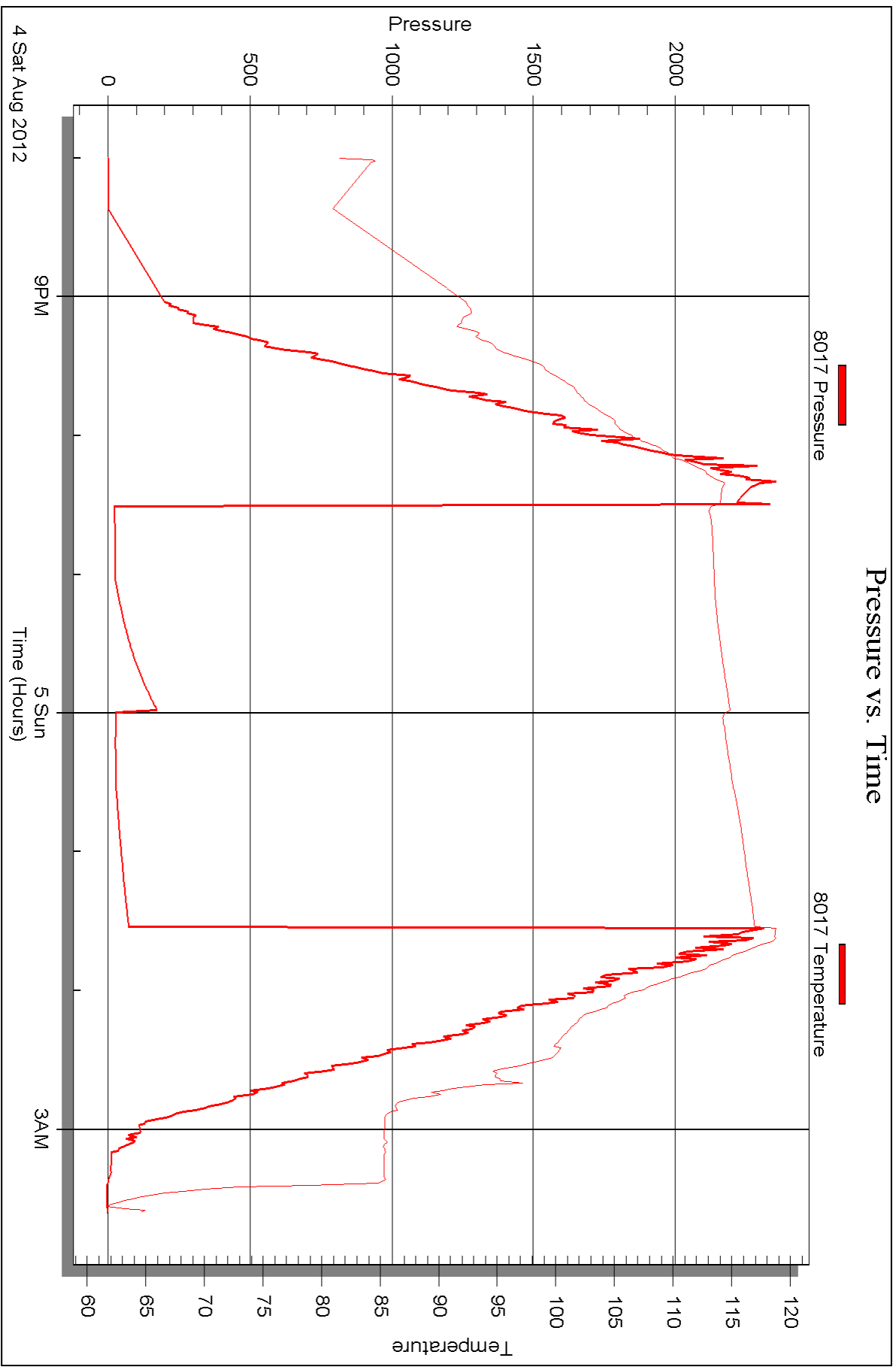
Serial #: 8017

Inside

Raymond Oil Co in

Lancaster Trust #1

DST Test Number: 4





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co in
PO Box 48788
Wichita Ks. 67202+1822
ATTN: Max Lovely

18-25s-20w Edwards
Lancaster Trust #1
Job Ticket: 47911 **DST#: 5**
Test Start: 2012.08.06 @ 10:30:05

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:	23000 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 15.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 11200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
760.00	SOSMW o=tr m=30% w=70%	7.836

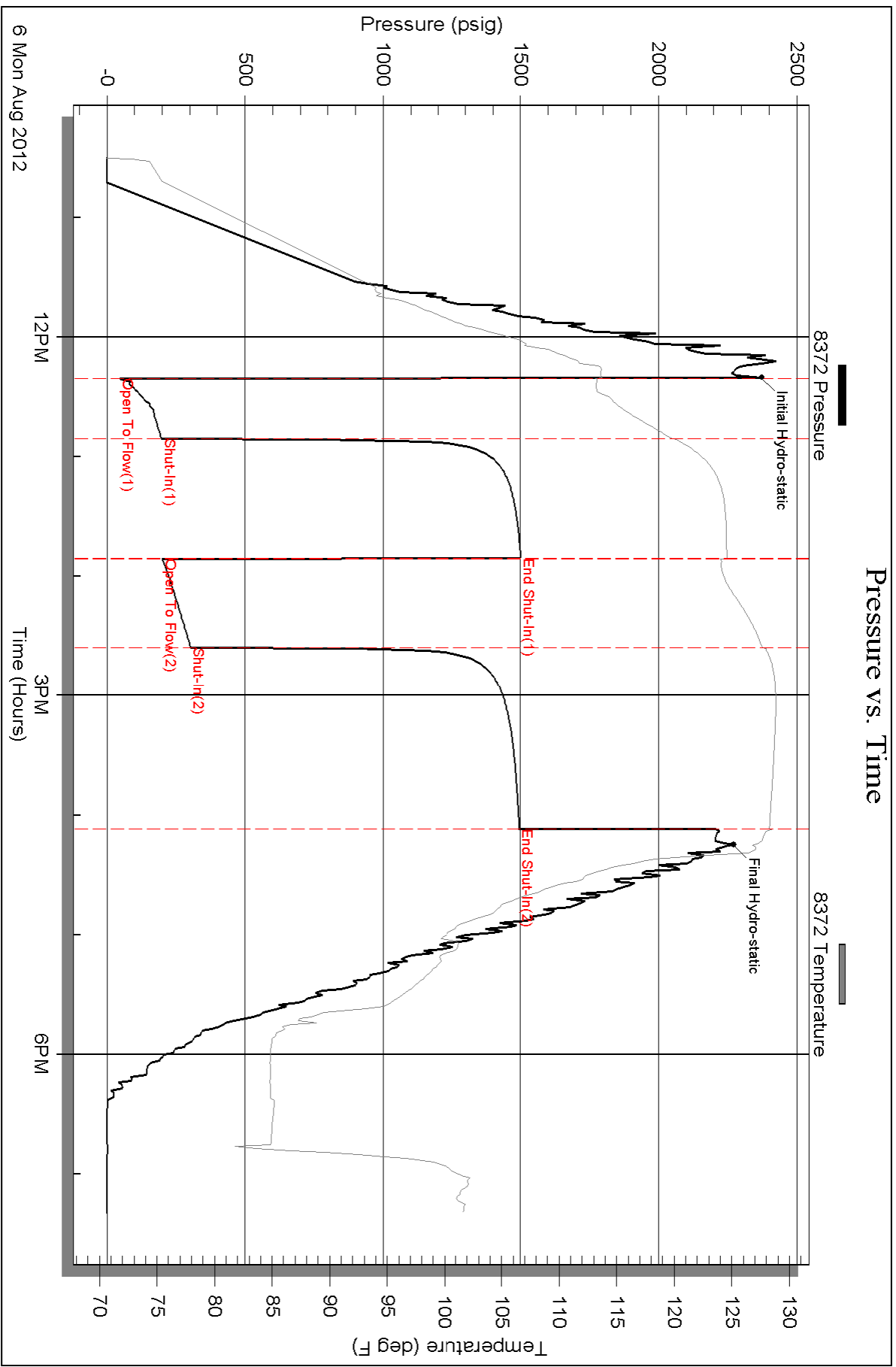
Total Length: 760.00 ft Total Volume: 7.836 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8372

Outside Raymond Oil Co in

Lancaster Trust #1

DST Test Number: 5



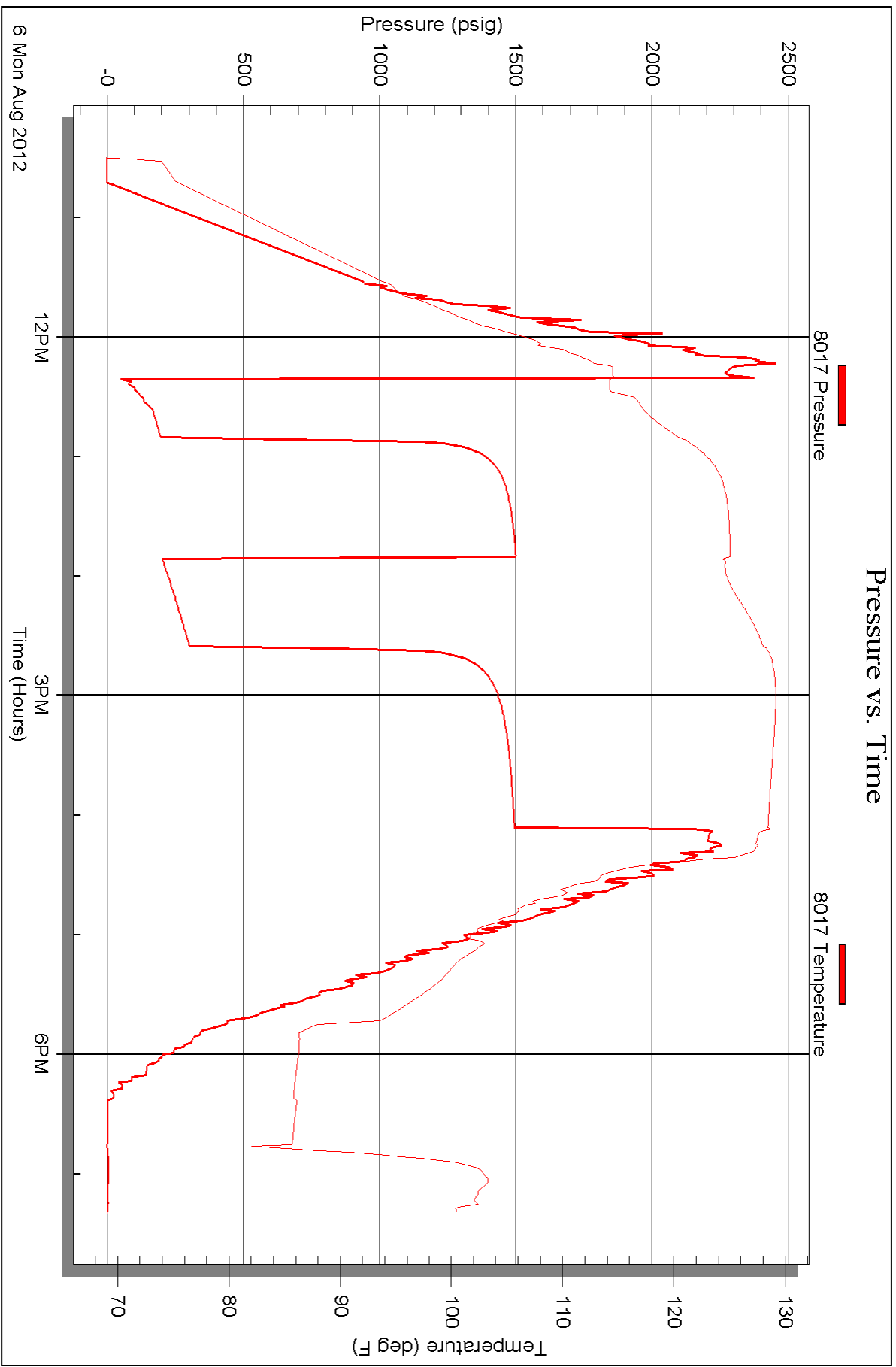
Serial #: 8017

Inside

Raymond Oil Co in

Lancaster Trust #1

DST Test Number: 5

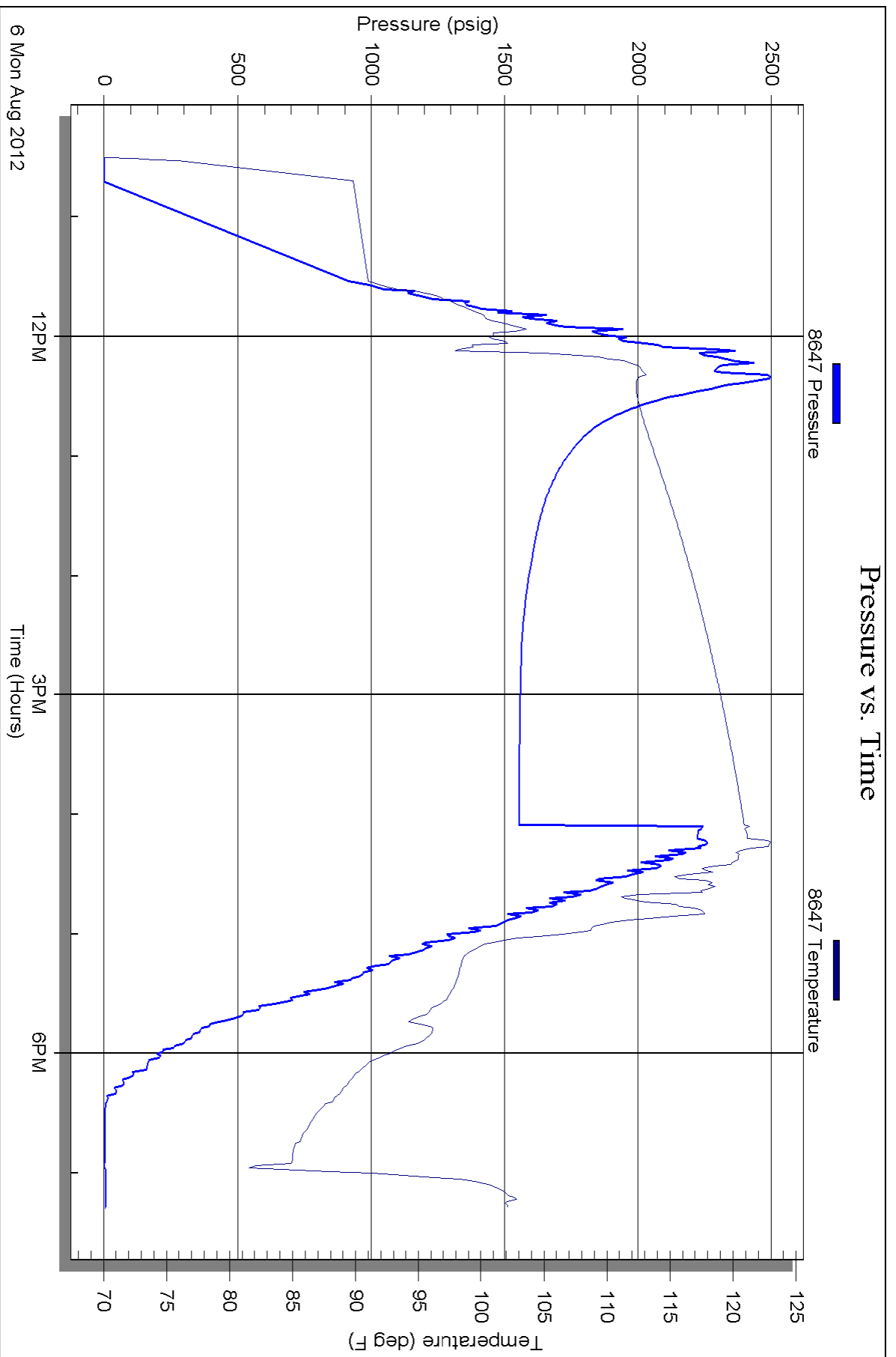


Serial #: 8647

Below (Stratford) Oil Co in

Lancaster Trust #1

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 47911

Printed: 2012.08.06 @ 19:53:24

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

September 18, 2012

Clarke Sandberg
Raymond Oil Company, Inc.
PO BOX 48788
WICHITA, KS 67202-1822

Re: ACO1
API 15-047-21609-00-00
Lancaster Trust 1
SE/4 Sec.18-25S-20W
Edwards 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,
Clarke Sandberg