

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1239329
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: _____

1239329

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

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

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

DISPOSITION OF GAS: <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: _____ _____
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Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	Ellis 2-12
Doc ID	1239329

All Electric Logs Run

Compensated Sonic w/Integrated Transit Time Log
Compact Photo Density Compensated Neutron Microresistivity Log
Array Shallow Focused Electric Log
Compensated Neutron Sonic Porosity Overlay Log
Microresistivity Log

Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	Ellis 2-12
Doc ID	1239329

Tops

Name	Top	Datum
B/Anhydrite	2351	+635
Heebner	3918	-932
Lansing	3962	-976
Mun Cr Sh	4135	-1149
Stark Sh	4240	-1254
Hush Sh	4282	-1296
Marmaton	4504	-1518
Pawnee	4535	-1549
Cher Sh	4569	-1583
Lwr Ck Sh	4642	-1656
John Zone	4666	-1680

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: Ellis #2-12
Location: Section 12 - T17S - R33W
License Number: API: 15-171-21106
Spud Date: 10 / 29 / 2014
Surface Coordinates: 1900' FSL and 1420' FEL
NE - SE - NW - SE
Region: Scott Co., KS
Drilling Completed: 11 / 08 / 2014
Bottom Hole Coordinates:
Ground Elevation (ft): 2981' K.B. Elevation (ft): 2986'
Logged Interval (ft): 3700' To: 3924' Total Depth (ft): 3924'
Formation: Mississippian - Warsaw
Type of Drilling Fluid: Chemical - Mud-Co

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

OPERATOR

Company: Stelbar Oil Corporation
Address: 1625 N. Waterfront Pkwy., Suite 200
Wichita, Kansas 67206-6602

GEOLOGIST

Name: David J. Goldak
Company: D. J. GOLDAK, INC.
Address: 155 N. Market, Suite 710
Wichita, Kansas 67202

General Info

CONTRACTOR: WW Drilling, Rig #8

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	Smith-?	15-14-14	344	344	3.25
2	7-7/8	Smith-F27	15-14-14	4924	4580	126.00

SURVEYS: 344'-0.50, 4074'-1.00, 4924'-1.25

GENERAL DRILLING & PUMP INFORMATION:

Drilling with 7 stands of collars (6.25"x2.25"): 426.71'
Drilling with 35,000-36,000 lbs on bit and 80-85 RPM.
Pumping 57 S/M; 7.35 B/M; 800-900 psi at the standpipe.

Daily Status

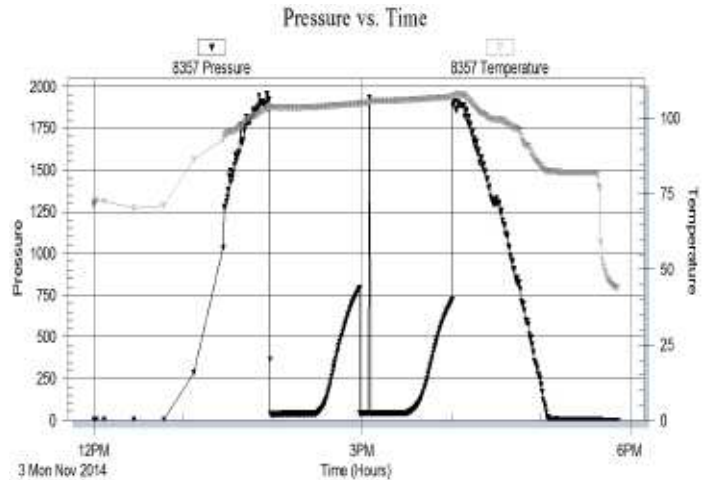
10/29/14 - Spud at 5:00 PM; Set 8-5/8" csg at 343'
 10/30/14 - 375' Drilling
 10/31/14 - 2,630' Drilling
 11/01/14 - 3,395' Drilling; Displace mud @ 3,505'
 11/02/14 - 3,930' Pump repair; TOH; Replace pump
 11/03/14 - 4,074' CFS; DST #1 @ 4,074'
 11/04/14 - 4,221' CFS
 11/05/14 - 4,366' TIH after DST #2; DST #3 @ 4,424'
 11/06/14 - 4,448' Drilling
 11/07/14 - 4,634' TOH with DST #4
 11/08/14 - 4,904' Drilling; TD 4,924' @ 8:10 AM

DST #1: 4,046' - 4,074' (LKC "D")
 30" - 30" - 30" - 30"

Tool slid 6' to bottom
 IF: 1 inch blow, died in 1 minute
 ISI: No blow back
 FF: No blow, flush tool, no blow
 FSI: No blow back

RECOVERY: 50' Total Fluid, consisting of:
 50' OSM (100% M)
 Sampler: 2000 ml OSM @ 150 psi

SIP: 795-723; FP: 38-40, 40-43; HP: 1923-1898; BHT: 107

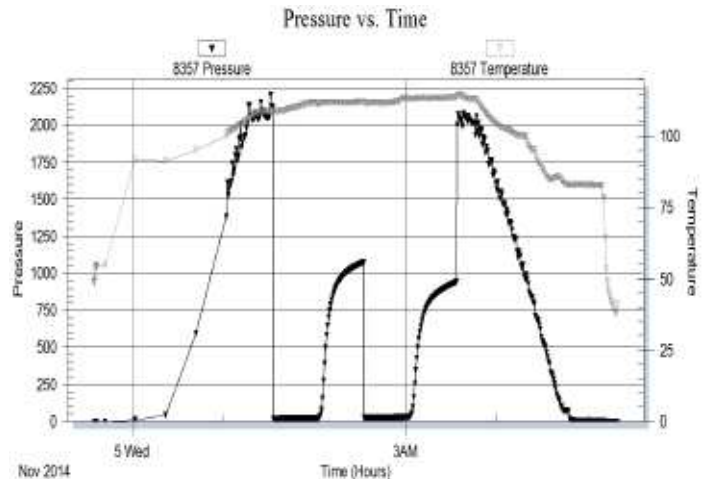


DST #2: 4,338' - 4,366' (Pleasanton)
 30" - 30" - 30" - 30"

IF: Surface blow building to 1/2 inch
 ISI: No blow back
 FF: No blow
 FSI: No blow back

RECOVERY: 10' Total Fluid, consisting of:
 10' OSM (100% M)
 Sampler: 2000 ml OSM @ 10 psi

SIP: 1076-943; FP: 15-21, 23-28; HP: 2128-2076; BHT: 114



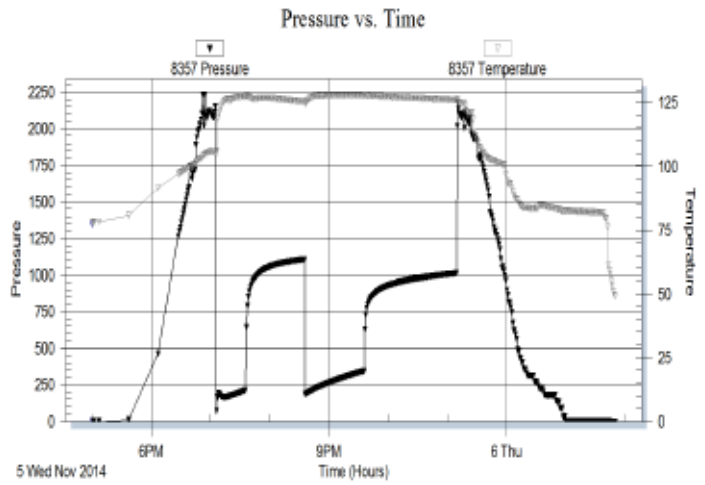
DST #3: 4,396' - 4,424' (Marmaton)
 30" - 60" - 60" - 90"

IF: Blow built to BOB in 9-1/2 minutes
ISI: No blow back
FF: Blow built to BOB in 14 minutes
FSI: Blow back built to BOB in 65 minutes

RECOVERY: 105' GIP & 770' TF, consisting of:
 140' GO (20% G, 80% O); Gravity: 29 API
 126' GOCMW (20% G, 10% O, 40% W, 30% M)
 126' GOCW (20% G, 30% O, 50% W)
 378' OSMW (90% W, 10% M)

Chlorides recovery: 70,000 ppm
Sampler: 200 ml O, 200 ml M & 1500 ml W @ 20 psi

SIP: 1105-1011; **FP:** 67-212, 185-345; **HP:** 2151-2183; **BHT:** 126

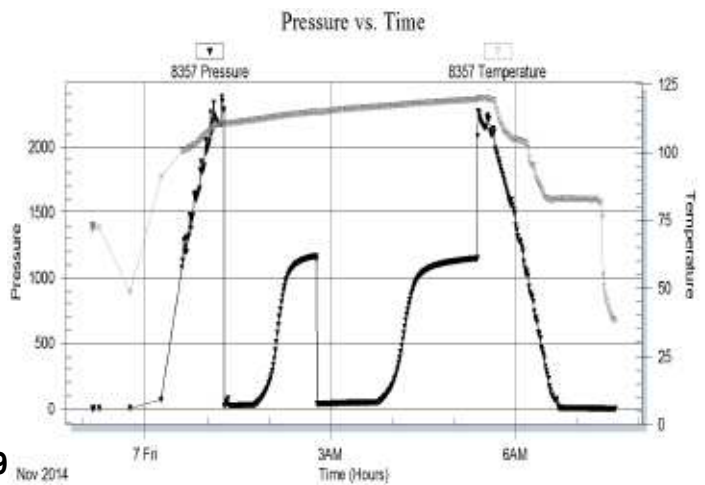


DST #4: 4,580' - 4,634' (Johnson Zone)
 30" - 60" - 60" - 90"



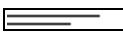
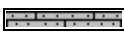
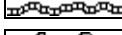


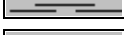
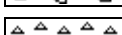


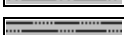

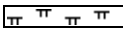





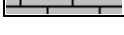

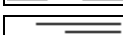








IF: Weak blow building to 6 inches
ISI: No blow back
FF: Fair blow building to BOB in 28 minutes
FSI: Blow back building to 1/2 inch

RECOVERY: 280' GIP & 90' TF, consisting of:
 90' GMCO (20% G, 75% O, 5% M)
Oil Gravity: 29 API
Sampler: 2 cf Gas, 1400 ml Oil & 100 ml M @ 500 psi

SIP: 1165-1146; **FP:** 19-29, 36-47; **HP:** 2345-2269; **BHT:** 119



ROCK TYPES

 Anhy	 Gyp	 Shgy	 Sandylms
 Bent	 Igne	 Sltst	 Shale
 Brec	 Lmst	 Ss	 Sltstn
 Cht	 Meta	 Till	 Shlyslts
 Clyst	 Mrlst	 Carb sh	 Sltys h
 Coal	 Salt	 Dol	 Lms
 Congl	 Shale	 Dtd	
 Dol	 Shcol	 Gry sh	

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sltly

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

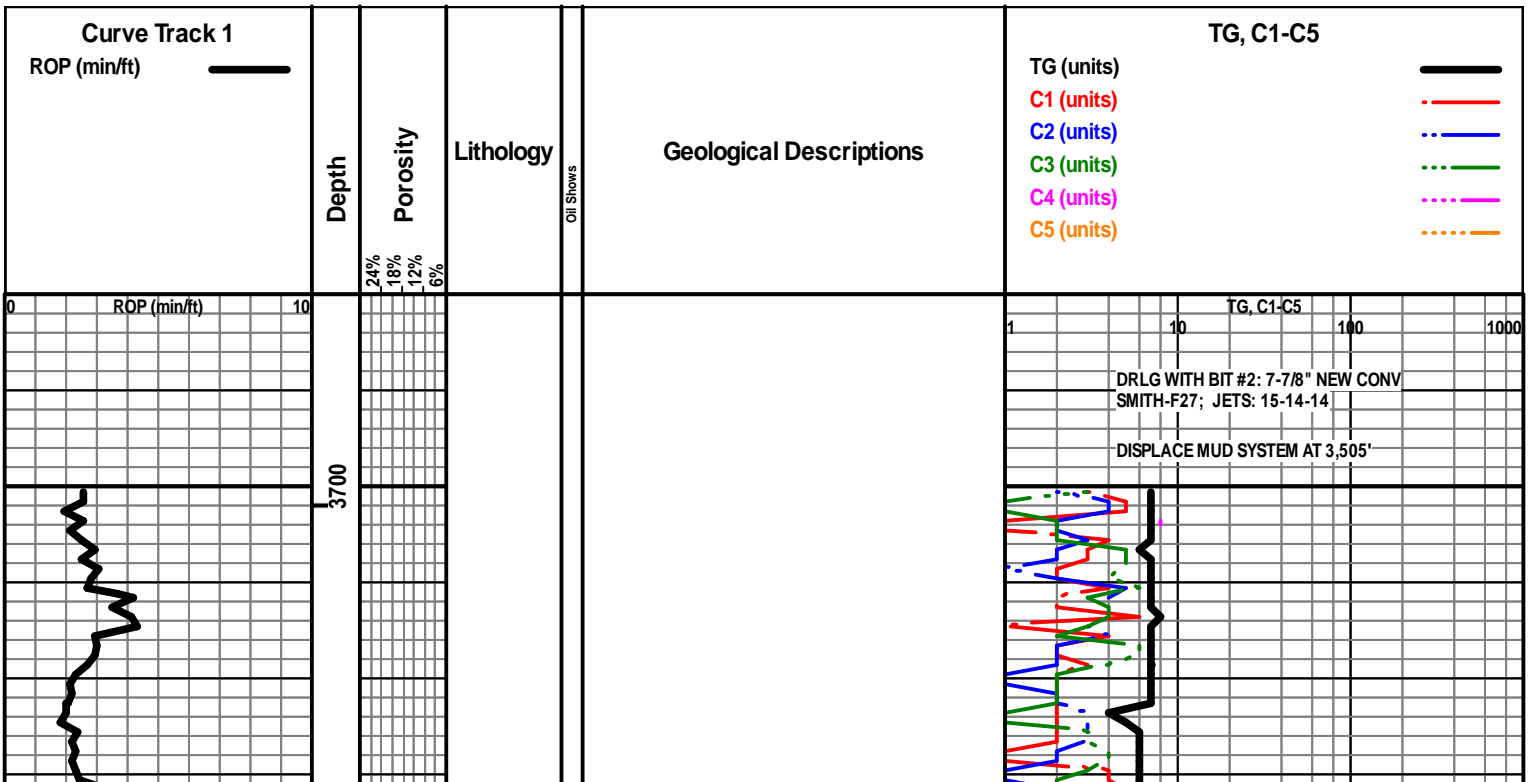
INTERVALS

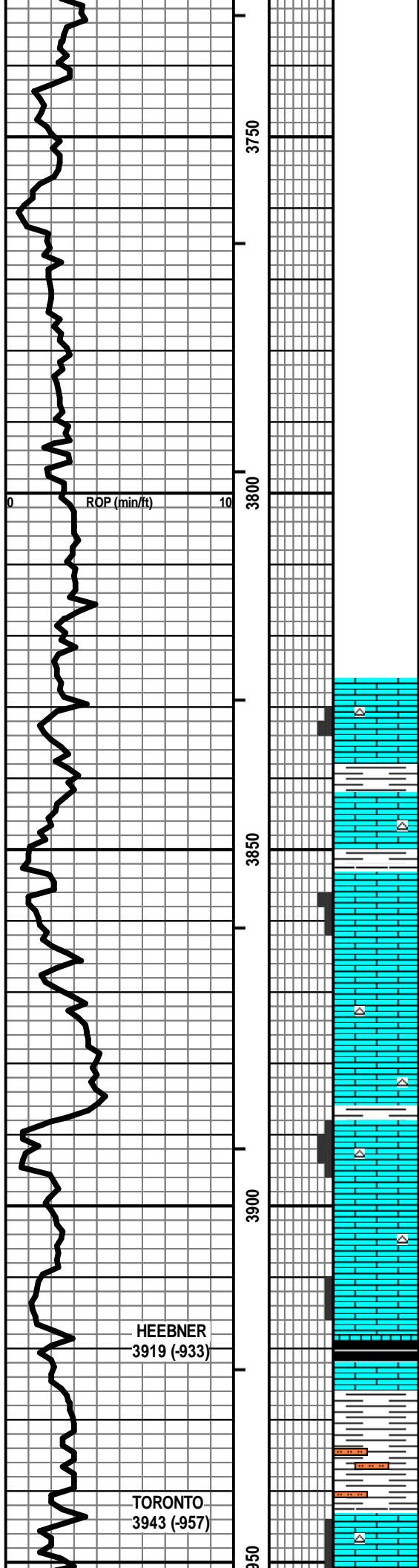
- Core
- Dst

- Dst_1_t
- Dst_1_b
- Dst

EVENTS

- Rft
- Sidewall
- Conn





LS - TAN / CRM, VF / F XLN, OOL + FOSS IN PT, P / F INTPART + FOSSMOLD POR, SL / SCAT F SFO + ASPH + GILS. SCAT BARR POR, NO ODOR, SPTY BLK / BRN STN, F / G F + C W / SCAT CHT - WHT

LS - CRM / TAN, VF XLN, SL FOSS, SUBCHKY IN PT, PRED DNS, NS W / TR CHT - WHT

LS - CRM / GY / SCAT TAN, F XLN, SCAT M REXLN CALC, P / F INTXLN + PPT POR, TR VUG POR, NS

LS - CRM / TAN / GY, MOT IN PT, VF / F XLN, OOL + FOSS IN PT, PRED DNS, NS W / SCAT CHT - WHT / LT GY

LS - CRM / TAN, F XLN, OOL + FOSS IN PT, SCAT F INTXLN + PPT POR, TR VUG POR, TR SPTY DEAD STN, NSFO, NO ODOR W / CHT - LT GY / WHT

LS - TAN / GY, VF / SCAT F XLN, TR FOSS, CHKY IN PT, SCAT P INTXLN POR, SPTY DEAD STN, SS OILY FILM, NSFO, NO ODOR

SH - GY / GRN, SLTY IN PT

LS - CRM / LT GY, VF / F XLN, SL FOSS + OOL, SCAT P

HEEBNER
3919 (-933)

TORONTO
3943 (-957)

Vis: 53, Wt: 8.7
LCM: 1#

UNIT GAS TEST @ 3,780':
OPERATING NORMALLY

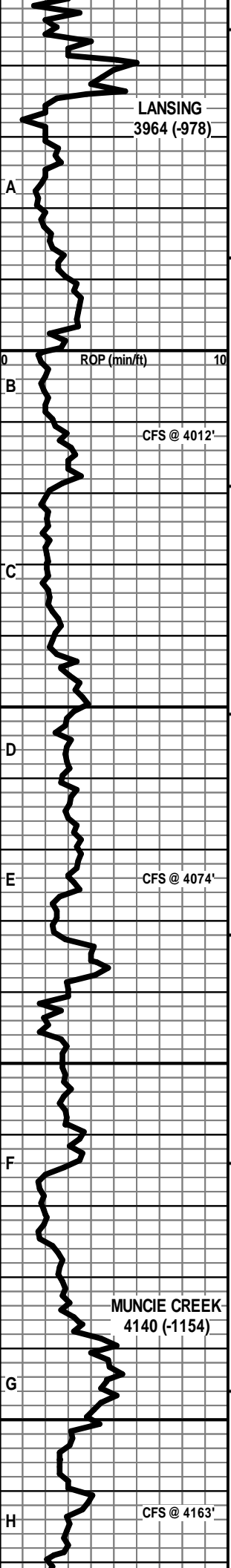
TG, C1-C5
10 100 1000

Vis: 50, Wt: 8.7
LCM: 1#

PUMP PRESSURE
DECREASING

TOH @ 3,930' FOR PUMP REPAIR

Vis: 54, Wt: 8.8,
YP: 16, GeIS: 14/40,
pH: 10.5, WL: 7.2,
Chl: 3000, Sol: 3.5,
LCM: 1#



LANSING
3964 (-978)

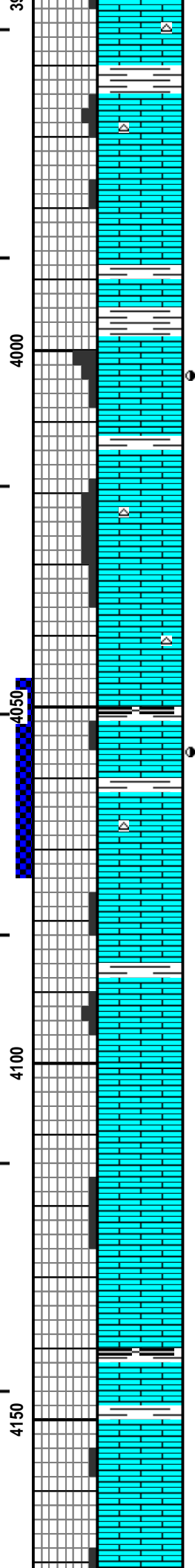
ROP (min/ft)

CFS @ 4012'

CFS @ 4074'

MUNCIE CREEK
4140 (-1154)

CFS @ 4163'



INTXLN POR, SUBCHKY IN PT, PRED DNS, NS W/ CHT - WHT / LT GY

LS - CRM / TAN, F XLN, OOL, SL FOSS, P / F INTPART / INTXLN POR IN PT, SCAT CHKY, NS W/ SCAT CHT - LT GY / WHT

LS - CRM / LT GY, VF / F XLN, SCAT M REXLN CALC, SL OOL + FOSS, TR P INTXLN POR, SCAT CHKY, PRED DNS, NS

LS - CRM / TAN, F XLN, OOL, SL FOSS, P / G INTPART / INTXLN POR, SCAT VUG POR, PRED SL / TR F SFO, FT ODOR, SPTY / TR SAT STN, SCAT PSFO / BARR, F / G FLUOR + CUT

LS - CRM / GY / TAN, PRED VF / F XLN, SCAT M XLN, SL FOSS + OOL IN PT, P / F PPT + VUG + INTXLN POR, SUBCHKY IN PT, NS W/ SCAT CHT - TAN / CRM

LS - ASABOVE, PRED DNS / SUBCHKY IN PT, NS W/ SCAT CHT - AS ABOVE

LS - CRM / TAN, F / SCAT M XLN, PRED P / TR F VUG + INTXLN POR, SL / SCAT F SFO (V LT / MED BRN COL) + GB + OILY FILM, F ODOR, SPTY / SUBSAT STN, G FLUOR + CUT

LS - CRM / WHT / TAN, VF / F XLN, OOL IN PT, PRED DNS / CHKY IN PT, NS W/ SCAT CHT - LT GY

LS - CRM / TAN / WHT, ASA BOVE, SCAT P INTXLN + PPT POR, SCAT CHKY / DNS, NS

LS - CRM / TAN / GY, F XLN, OOL, SL FOSS, P / F INTOOL / INTXLN POR, CHKY IN PT, NS

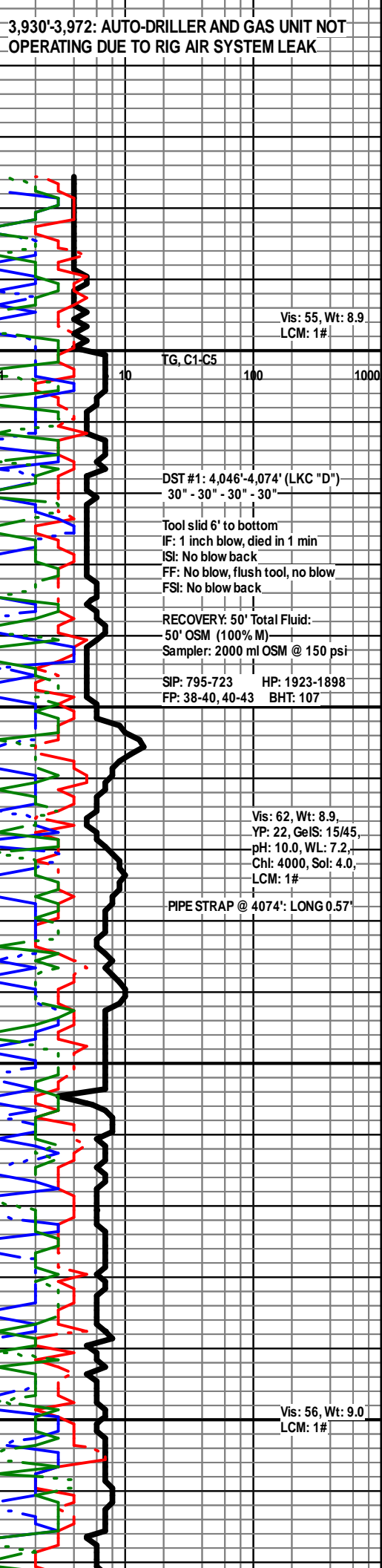
LS - ASABOVE, SUBCHKY IN PT, PRED DNS, NS

LS - CRM / TAN / GY, VF / F XLN, SL OOL, TR FOSS, SCAT P INTXLN POR, CHKY IN PT, PRED DNS, NS

LS - TAN / BRN, F XLN, SL FOSS, PRED DNS, NS W/ SH - GY / BLK

LS - CRM / TAN, VF / F XLN, OOL IN PT, SL FOSS, SCAT P INTXLN / INTOOL POR, V CHKY IN PT / DNS, NS

LS - CRM / TAN / GY, MOT IN PT, VF / F XLN, SCAT OOL +



FOSS, TR P INTXLN POR, SCAT CHKY, PRED DNS, NS

LS - TAN / BRN, MOT IN PT, F XLN, TR FOSS, PRED DNS, NS W/SH - GY

LS - TAN / GY / BRN, MOT IN PT, F XLN, OOL IN PT, TR P PPT POR, SUBCHKY IN PT, PRED DNS, TR SPTY DEAD STN, NSFO, NO ODOR W/ SCAT CHT - TAN / WHT

LS - TAN, F XLN, OOL, F / G OOM + INTXLN POR, SCAT CHKY, NS

LS - TAN / CRM / GY, VF / F XLN, SL FOSS + OOL, SUBCHKY IN PT, PRED DNS, NS

LS - TAN / BRN, VF / F XLN, SL FOSS, PRED DNS, NS W/ SH - BLK / GY

LS - CRM / TAN / GY, MOT IN PT, F XLN, OOL IN PT, SCAT P INTOOL + PPT POR, SSFO + ASPH, FT ODOR, SPTY BLK STN, F / G FLUOR + CUT (V SM AMT POR + SHOW)

LS - CRM / TAN, VF / F XLN, OOL IN PT, SL FOSS, SCAT P INTXLN POR, CHKY IN PT / DNS, NS W/ CHT - WHT / LT GY

LS - BRN / TAN, F XLN, SCAT M / C REXLN CALC, SL FOSS, TR P INTXLN POR, PRED DNS, VSSFO, FT ODOR, TR SPTY STN (V SM AMT POR + SHOW) W/ SH - BLK / GY

LS - CRM / TAN / GY, VF / F XLN, SL FOSS + OOL, ONE PCE P PPT POR, PRED DNS, VSSFO, V FT ODOR W/ SCAT CHT - LT GY

LS - CRM / TAN, VF / F XLN, OOL IN PT, SCAT P INTOOL POR, TR P OOM POR, DNS, NS

LS - CRM / TAN, F XLN, SL FOSS, TR P INTXLN POR, PRED DNS, VSSFO, V FT ODOR, TR SPTY STN (V SM AMT POR + SHOW)

LS - TAN / GY / CRM, VF / F XLN, SL OOL + FOSS, SCAT P / TR F INTXLN POR, CHKY IN PT, TR OILY FILM, NSFO, NO ODOR

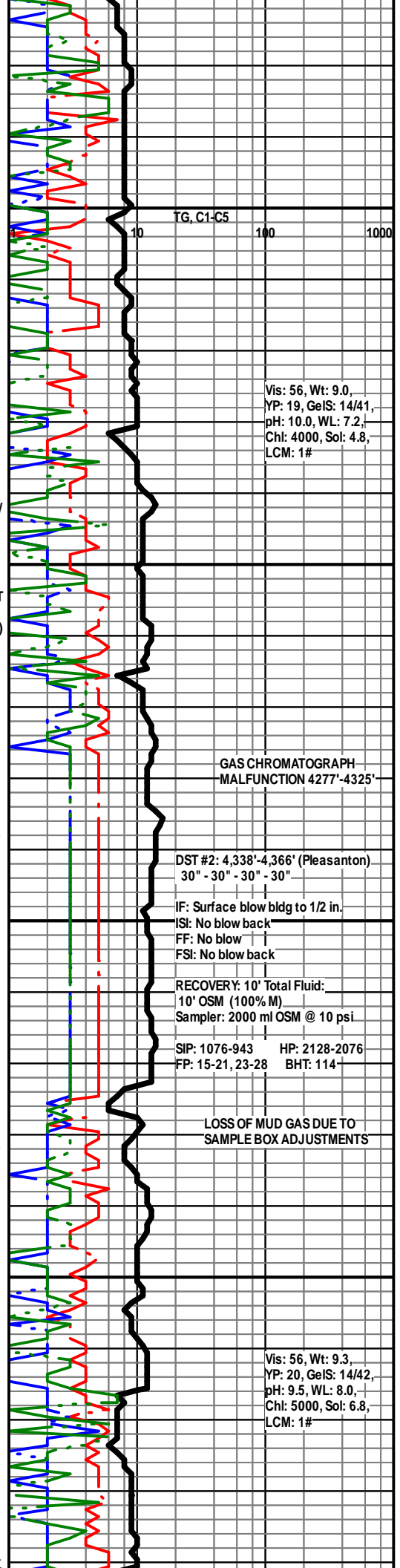
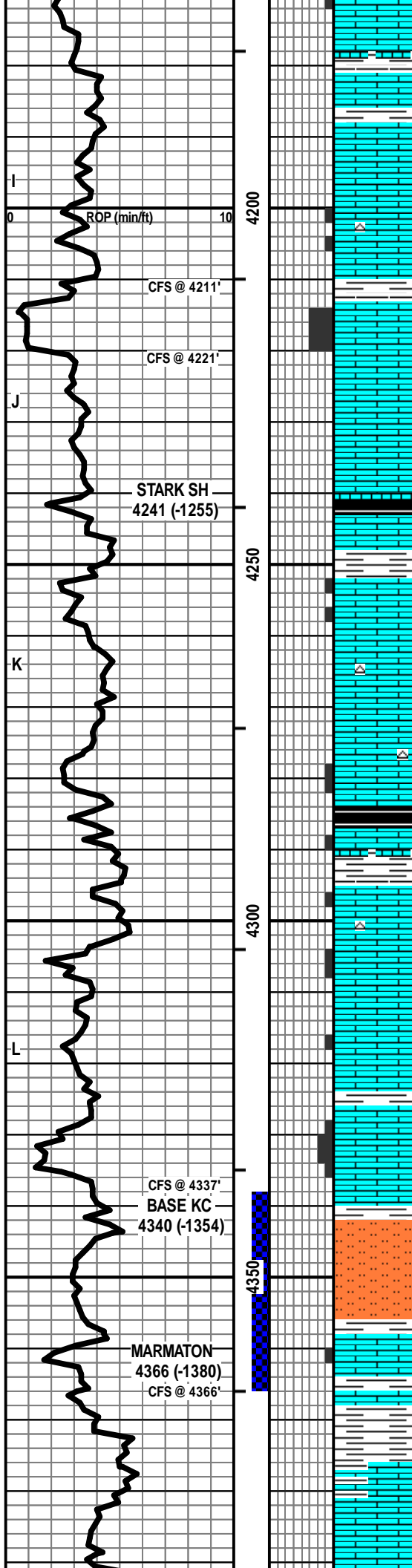
SLTST - GY / GRN W/ SCAT SH - GY

LS - TAN / BRN, F / M XLN, MOD AMT REXLN CALC, SL OOL + FOSS, P / F INTXLN / INTPART POR, SCAT PPT POR, F / G SFO, FT ODOR, SPTY / SUBSAT STN, G FLUOR + CUT

MOD ABNT SH - VARICOL & LS CAVINGS

LS - CRM / TAN / SCAT WHT, F XLN, OOL + FOSS IN PT, CHKY IN PT, PRED DNS, NS W/ MOD ABNT SH - VARICOL & LS CAVINGS

LS - CRM / TAN, F / VF XLN, OOL, SL FOSS, SCAT CHKY



Vis: 56, Wt: 9.0, YP: 19, GeIS: 14/41, pH: 10.0, WL: 7.2, Chl: 4000, Sol: 4.8, LCM: 1#

GAS CHROMATOGRAPH MALFUNCTION 4277'-4325'

DST #2: 4,338'-4,366' (Pleasanton) 30" - 30" - 30" - 30"

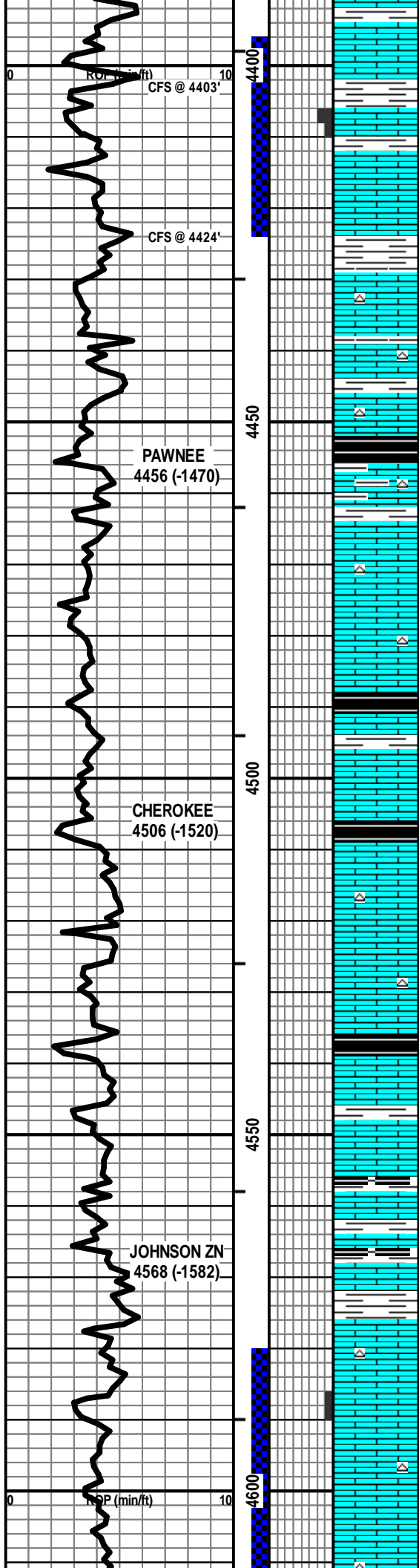
IF: Surface blow bldg to 1/2 in. ISI: No blow back FF: No blow FSI: No blow back

RECOVERY: 10' Total Fluid: 10' OSM (100% M) Sampler: 2000 ml OSM @ 10 psi

SIP: 1076-943 HP: 2128-2076 FP: 15-21, 23-28 BHT: 114

LOSS OF MUD GAS DUE TO SAMPLE BOX ADJUSTMENTS

Vis: 56, Wt: 9.3, YP: 20, GeIS: 14/42, pH: 9.5, WL: 8.0, Chl: 5000, Sol: 6.8, LCM: 1#



PRED DNS, NS, NO ODOR W/ ABNT CAVINGS W/ FEW PCES TAN, F / M REXLN, P INTXLN POR, SSFO, SPTY STN W/ ONE PCE CRM, F XLN, OOL, P PPT + VUG POR, SSFO (CAVINGS?)

LS - CRM / TAN, F / M XLN, F / C REXLN CALC, SL OOL + FOSS, P / F INTXLN + VUG POR, TR G POR, SL / F SFO + GB, V FT ODOR, SPTY / TR SAT STN, F / G FLUOR, G CUT

LS - CRM / TAN, VF / F XLN, CHKY IN PT, PRED DNS, NS

LS - TAN / GY / SCAT CRM, PRED VF / F XLN, SCAT CRYPTO XLN, SL FOSS + OOL, PRED DNS, NS W/ CHT - GY / TAN

LS - TAN / BRN / GY, MOT IN PT, VF / F XLN, SCAT OOL + FOSS, SUBCHKY IN PT, PRED DNS, NS W/ CHT - GY / TAN

SH - BLK, CARB / GY W/ LS - CRM / TAN / SCAT WHT, VF / F XLN, PRED DNS, NS

LS - CRM / WHT / SCAT TAN, VF / CRYPTO XLN, SCAT F XLN, SCAT OOL + FOSS, PRED DNS, NS W/ CHT - LT / MED GY

LS - V SIM TO ABOVE, PRED DNS, NS W/ SH - BLK, CARB

LS - TAN / BRN / CRM, VF / F XLN, OOL IN PT, SCAT FOSS, SUBCHKY IN PT, PRED DNS, NS W/ SH - BLK, CARB

LS - TAN / BRN / GY, VF / F XLN, OOL IN PT, SL FOSS, TR P INTOOL POR, PRED DNS, NS W/ SCAT CHT - GY

LS - TAN / CRM / BRN, VF / F XLN, OOL IN PT, SUBCHKY IN PT, PRED DNS, NS W/ SCAT CHT - AA W/ SH - BLK, CARB

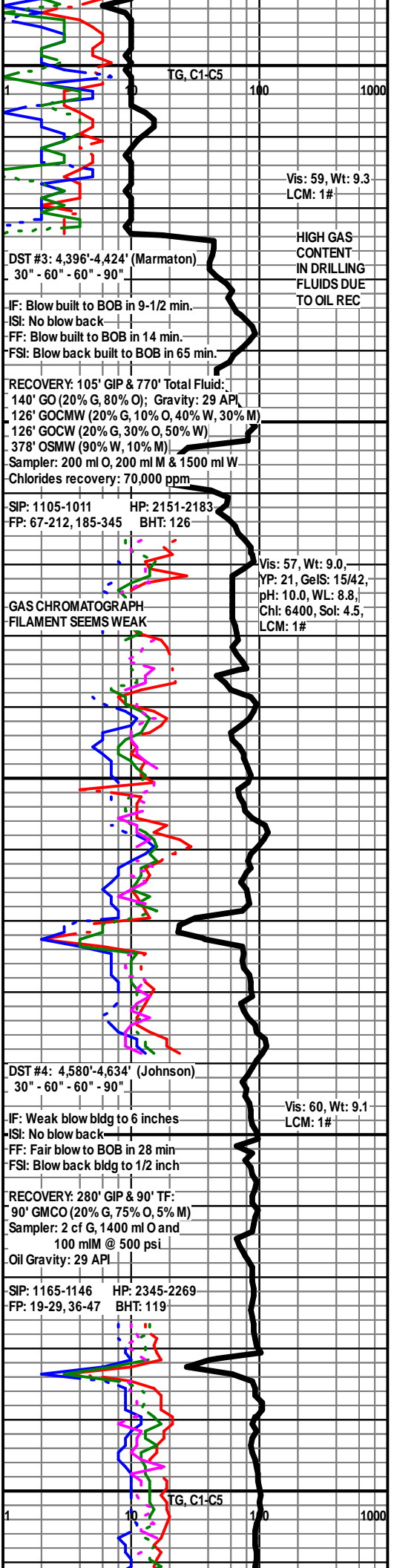
LS - TAN / SCAT CRM, VF / F XLN, SL FOSS, SUBCHKY IN PT, PRED DNS, NS

LS - TAN / CRM / GY, MOT IN PT, VF / F XLN, SCAT M REXLN CALC, FOSS IN PT, PRED DNS, NS W/ SH - GY / BLK

LS - TAN / BRN / SCAT CRM, F XLN, FOSS IN PT, CHTY IN PT, P / SCAT F INTXLN POR, TR PPT POR, SL / F SFO + GB, BLEEDING OIL, F ODOR, SPTY / TR SAT STN, G FLUOR + CUT W/ CHT - GY / TAN

LS - TAN / CRM, VF / F XLN, SL FOSS + OOL, PRED DNS, NS W/ SCAT LS - AS ABOVE W/ CHT - GY / TAN

LS - CRM / TAN, F / M XLN, OOL IN PT, SCAT P / F INTXLN POR, TR PPT POR, PRED DNS / CHKY IN PT, SL /



TG, C1-C5

100 1000

Vis: 59, Wt: 9.3 LCM: 1#

HIGH GAS CONTENT IN DRILLING FLUIDS DUE TO OIL REC

DST #3: 4,396'-4,424' (Marmaton)
30" - 60" - 60" - 90"

IF: Blow built to BOB in 9-1/2 min.
IS: No blow back
FF: Blow built to BOB in 14 min.
FSI: Blow back built to BOB in 65 min.

RECOVERY: 105' GIP & 770' Total Fluid:
140' GO (20% G, 80% O); Gravity: 29 API
126' GOCMW (20% G, 10% O, 40% W, 30% M)
126' GOCW (20% G, 30% O, 50% W)
378' OSMW (90% W, 10% M)
Sampler: 200 ml O, 200 ml M & 1500 ml W
Chlorides recovery: 70,000 ppm

SIP: 1105-1011 HP: 2151-2183
FP: 67-212, 185-345 BHT: 126

Vis: 57, Wt: 9.0, YP: 21, GeIS: 15/42, pH: 10.0, WL: 8.8, Chl: 6400, Sol: 4.5, LCM: 1#

GAS CHROMATOGRAPH FILAMENT SEEMS WEAK

DST #4: 4,580'-4,634' (Johnson)
30" - 60" - 60" - 90"

Vis: 60, Wt: 9.1 LCM: 1#

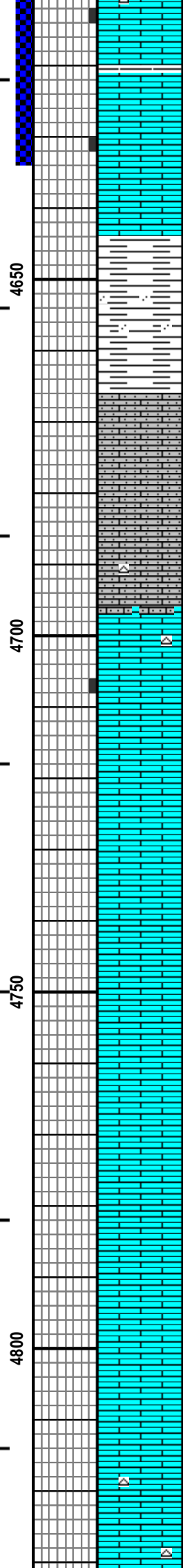
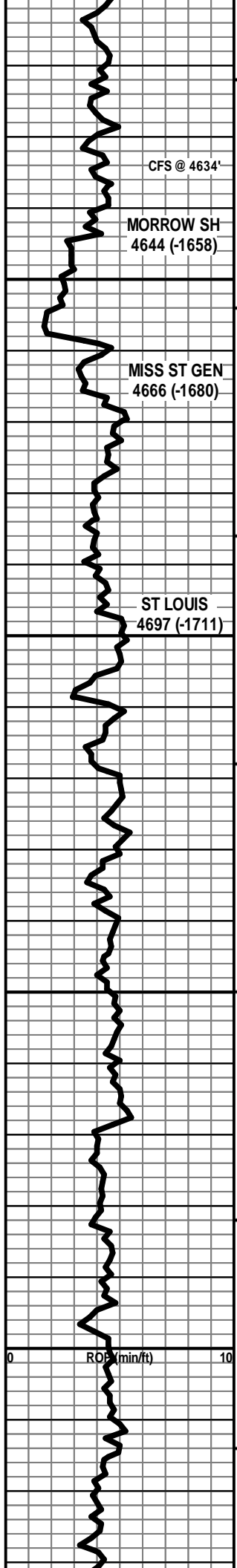
IF: Weak blow bldg to 6 inches
IS: No blow back
FF: Fair blow to BOB in 28 min
FSI: Blow back bldg to 1/2 inch

RECOVERY: 280' GIP & 90' TF:
90' GMCO (20% G, 75% O, 5% M)
Sampler: 2 cf G, 1400 ml O and 100 ml M @ 500 psi
Oil Gravity: 29 API

SIP: 1165-1146 HP: 2345-2269
FP: 19-29, 36-47 BHT: 119

TG, C1-C5

10 100 1000



INTXENL POR, TR P VUG POR, PRED DNS/CHKY IN PT, SL / F SFO, BLEEDING OIL IN PT, F ODOR, SCAT SPTY / TR SAT STN, F / G FLUOR + CUT (SM AMT POR + SHOW)

LS - CRM / TAN / GY, SIM TO ABOVE, SCAT P / F INTXLN POR, TR P VUG POR, SL / F SFO, F ODOR, SCAT SPTY / TR STN, POSS CAVINGS ?, PRED DNS + NS

LS - CRM / TAN / SCAT GY, VF / F XLN, SCAT OOL, PRED DNS, NS W/ SCAT LS - AA, POR + SHOWS AA (CAVINGS ?), FT ODOR

PRED SH - GY / BLK / SCAT GRN, SLTY IN PT W/ SCAT SS - GRN / MED GY, SLT / VF QTZ GR, W SRTD, SA / SR, SH FRAG, NO VIS POR, NS, NO ODOR

LS - WHT / CRM, VF / F XLN, OOL, V AREN, PRED DNS, NS W/ SCAT SH - AS ABOVE

LS - WHT / CRM, VF / F XLN, OOL, V AREN, CHKY IN PT, PRED DNS, NS

LS - AS ABOVE W/ LS - TAN / SCAT CRM, VF / CRYPTO XLN, PRED DNS, NS W/ SCAT CHT - GY / TAN / ORG

LS - TAN / SCAT CRM, VF / F XLN, OOL IN PT, CHKY IN PT, SCAT PINTOOL POR, PRED DNS, SSFO, SCAT BARR POR ?, NO ODOR, SCAT SPTY STN

LS - TAN / SCAT CRM, VF / CRYPTO XLN, PRED DNS, NS W/ TR LS - AS ABOVE, TR PINTOOL POR, VSSFO (CAVINGS?), NO ODOR

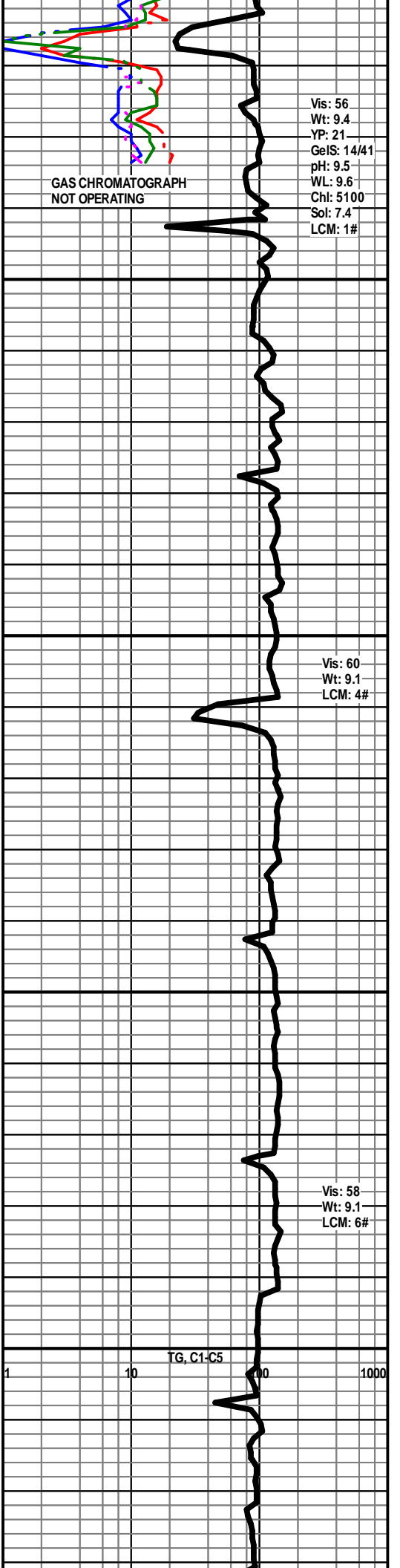
LS - TAN / CRM, VF / F XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS

LS - TAN / CRM / SCAT BRN, VF / F XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS

LS - TAN / BRN / SCAT GY, PRED VF / F XLN, SCAT CRYPTO XLN, OOL IN PT, TR PINTOOL POR, PRED DNS, TR GILS + OILY FILM, PRED NS, NO ODOR

LS - TAN / BRN, VF / F XLN, SCAT CRYPTO XLN, SCAT REXLN CALC, TR PINTXLN POR, PRED DNS, NS

LS - BRN / TAN / SCAT GY, VF / F XLN, PRED DNS, NS W/ TR CHT - GY / SCAT TAN



LS - BRN / TAN / SCAT GY, MOT IN PT, PRED F XLN,
SCAT VF XLN, PRED DNS, NS W/ SCAT CHT - GY

LS - BRN / TAN / SCAT GY, F XLN, SCAT REXLN CALC,
PRED DNS, NS W/ CHT - GY

DOLO - TAN / GY, MOT IN PT, F XLN, PRED P / F / SCAT G
PPT + VUG POR, P / F INTXLN POR, NS, NO ODOR W/
CHT - GY

LS - BRN / TAN / GY, MOT, F XLN, SCAT REXLN CALC,
OOL, PRED DNS, NS W/ SCAT CHT - GY

DOLO - TAN / BRN / GY, F XLN, LMY IN PT, P / SCAT F
INTXLN POR, TR SPTY DEAD STN, NSFO W/ LS - AS
ABOVE, DOLO IN PT, CHKY IN PT, PRED DNS, NS, NO
ODOR

LS - BRN / TAN / GY, MOT, F XLN, OOL IN PT, DOLO IN
PT, PRED DNS, NS

TOTAL DEPTH 4924 (-1938)

Vis: 54
Wt: 9.1
LCM: 5#

Vis: 56, Wt: 9.1,
YP: 21, GeIS: 15/42,
pH: 9.0, WL: 8.8,
Chl: 5600, Sol: 5.0,
LCM: 5#

WARSAW
DOLOMITE
4869 (-1883)

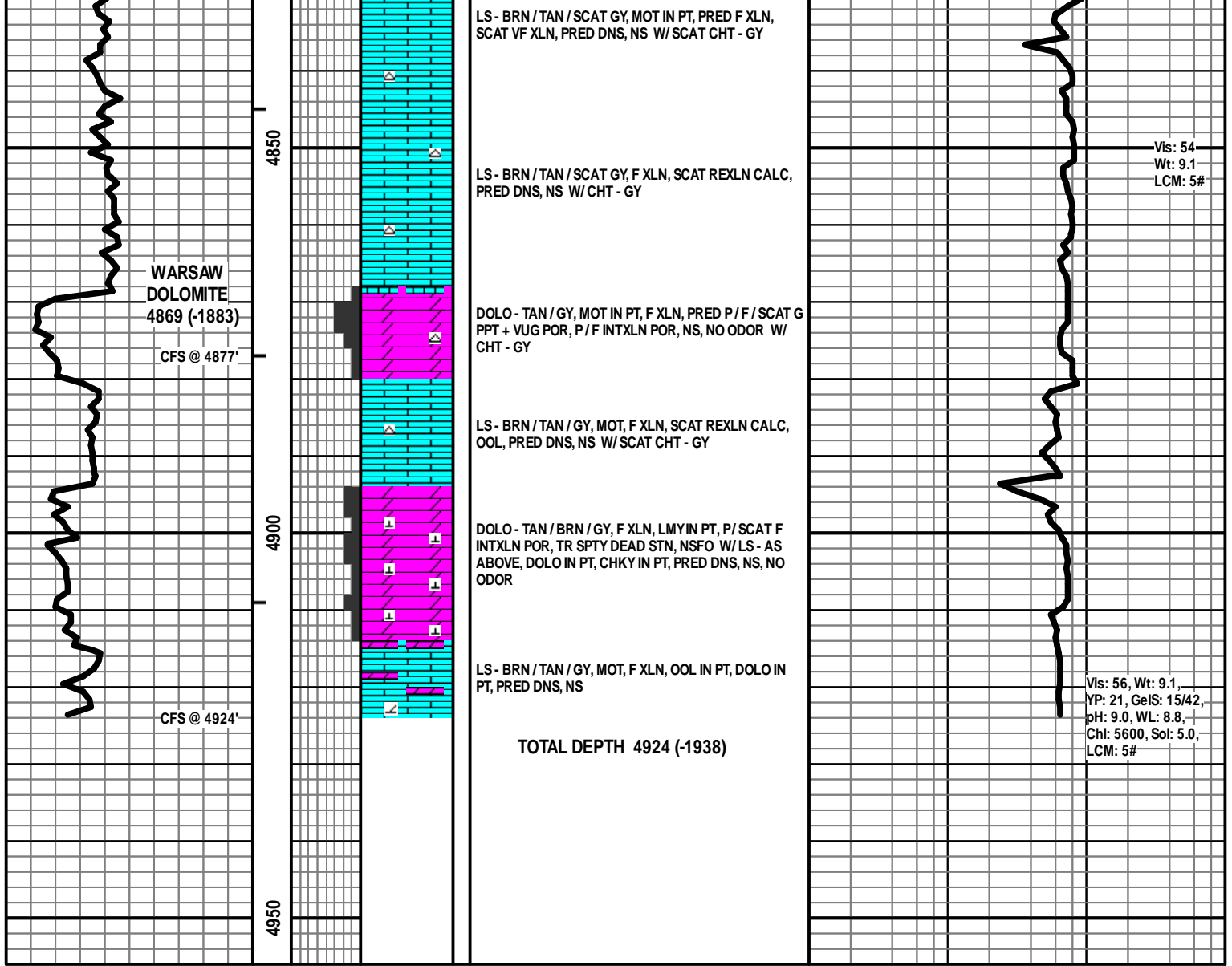
CFS @ 4877'

CFS @ 4924'

4850

4900

4950





CONSOLIDATED
Oil Well Services, LLC

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

KET NUMBER 47724
LOCATION Oakley Ks.
FOREMAN Danen

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/29/14		Ellis 2-12	12	17	33	Scott
CUSTOMER <u>Stelbar Oil Corp.</u>			Oakley Ks.			
MAILING ADDRESS <u>1625 N Waterfront PKwy</u>			5to Hwy 4			
CITY <u>Wichita</u>	STATE <u>Ks</u>	ZIP CODE <u>67206-6602</u>	1/2 S. W-5			
TRUCK #	DRIVER	TRUCK #	DRIVER			
731	Coru					
693	Robert					

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 344 CASING SIZE & WEIGHT 8 3/8
 CASING DEPTH 343.95 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14 8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 20.73 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

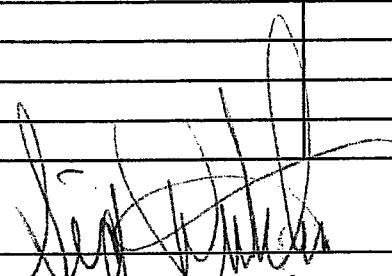
REMARKS: Safety meeting Rig up on WW-8 Run Casing Break Circulation with Rig Pump Hookup to pump truck mix 275 SKs Cem 3%CC 2%Gel Wash up pump + Lines Displace with 20.73 bbls water Rig Down
Cement Did Circulate

Approx 5 bbls to pit

Thanks Danen + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	\$ 1150.00	\$ 1150.00
5406	35	MILEAGE	\$ 5.25	\$ 183.75
5407 A	12.93	Ton Mileage Delivery	\$ 1.75	\$ 791.96
1104 S	275 SKs	Class "A" Cement	\$ 18.55	\$ 5101.25
1102	776 #	Calcium Chloride	\$.94	\$ 729.94
1118 B	517 #	Bentonite	\$.27	\$ 139.59
			Sub Total	\$ 8095.99
			Less 10%	\$ 809.59
			Sub Total	\$ 7286.40
			SALES TAX	
			ESTIMATED TOTAL	

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 for



CONSOLIDATED
Oil Well Services, LLC

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

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 47782 ⁸⁰⁹ ₈₂₁
LOCATION Oakley KS
FOREMAN Dane Retzlaff

INVOICE # 802031

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/18/14	113010	Ellis 2-12	12	17	38	Scott
CUSTOMER			KS			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			STATE	ZIP CODE		

Customer: Stelbar #1
Mailing Address: 83+4 Jct. 1/2 mile S Westside
City: _____ State: _____ ZIP Code: _____

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH _____ CASING SIZE & WEIGHT _____
CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 13.2 SLURRY VOL 1.42 WATER gal/sk 6.7 CEMENT LEFT in CASING _____
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting. Rig up. Plug as ordered.

<u>2370</u>	<u>50 SKS</u>
<u>1560</u>	<u>80 SKS</u>
<u>780</u>	<u>50 SKS</u>
<u>390</u>	<u>50 SKS</u>
<u>60</u>	<u>20 SKS</u>
<u>RH</u>	<u>30 SKS</u>

Plug down 430 AM Thanks Dan & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1395.00	1395.00
5406	45	MILEAGE	5.25	236.25
5407	12.04	Ten Mileage Delivery	1.15	948.15
1131	280 SKS	60/40 Poz mix	15.86	4440.80
1107	70	Flo Seal	2.97	207.90
118A	963	Bentonite	.27	260.01
4432	1	8 5/8 wooden Plug.	160.75	160.75
		Sub		7588.86
		less 10%		758.88
		Total		6829.98
		SALES TAX		367.44
		ESTIMATED TOTAL		7197.42

AUTHORIZATION [Signature] 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.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stelbar Oil Corp., Inc.

S12-17s-33w Scott/KS

1625 N. Waterfront PKWY
Wichita, KS 67206-6602

Ellis 2-12

Job Ticket: 59185

DST#: 1

ATTN: Dave Goldak

Test Start: 2014.11.03 @ 12:00:00

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:58:30

Time Test Ended: 17:51:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

Interval: 4046.00 ft (KB) To 4074.00 ft (KB) (TVD)

Reference Elevations: 2986.00 ft (KB)

Total Depth: 4074.00 ft (KB) (TVD)

2981.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press @ Run Depth: 42.80 psig @ 4047.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.03

End Date: 2014.11.03

Last Calib.: 2014.11.03

Start Time: 12:00:02

End Time: 17:51:49

Time On Btm: 2014.11.03 @ 13:56:50

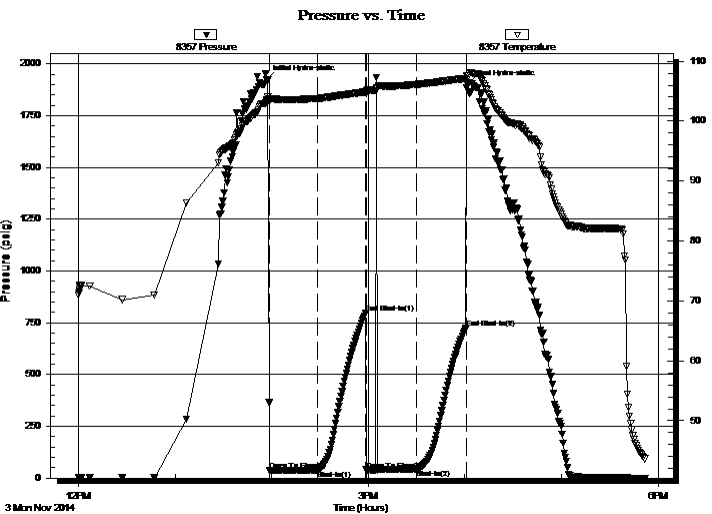
Time Off Btm: 2014.11.03 @ 16:01:40

TEST COMMENT: 30- Tool slid 6', mud dropped 4', 1" Blow died @ 1 min.

30- No return.

30- No blow, flushed tool, no blow.

30- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1922.74	103.36	Initial Hydro-static
2	37.69	103.54	Open To Flow (1)
32	39.70	103.77	Shut-In(1)
62	795.01	104.88	End Shut-In(1)
62	39.94	104.61	Open To Flow (2)
93	42.80	106.11	Shut-In(2)
124	723.35	107.11	End Shut-In(2)
125	1898.01	107.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: @ Degrees F= PPM	0.00
50.00	OSM 100m	0.25

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp., Inc.

S12-17s-33w Scott/KS

1625 N. Waterfront PKWY
Wichita, KS 67206-6602

Ellis 2-12

Job Ticket: 59185

DST#: 1

ATTN: Dave Goldak

Test Start: 2014.11.03 @ 12:00:00

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:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	RW: @ Degrees F = PPM	0.000
50.00	OSM 100m	0.246

Total Length: 50.00 ft Total Volume: 0.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

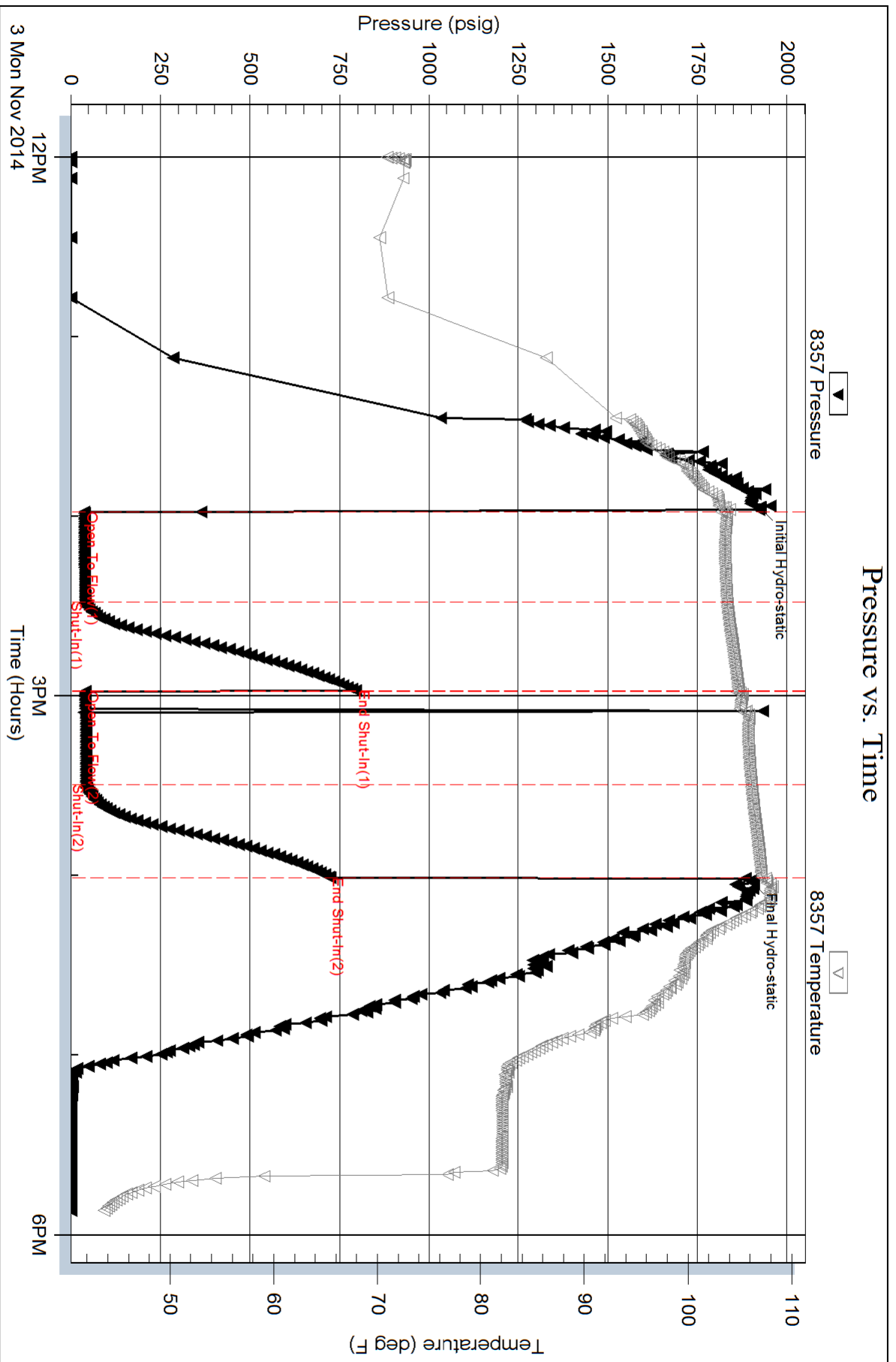
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 150 psi 2000ML OSM total vol. 2000ML

Pressure vs. Time





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stelbar Oil Corp., Inc.

S12-17s-33w Scott/KS

1625 N. Waterfront PKWY
Wichita, KS 67206-6602

Ellis 2-12

Job Ticket: 59186

DST#: 2

ATTN: Dave Goldak

Test Start: 2014.11.04 @ 23:35:00

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:33:00

Time Test Ended: 05:19:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4338.00 ft (KB) To 4366.00 ft (KB) (TVD)

Reference Elevations: 2986.00 ft (KB)

Total Depth: 4366.00 ft (KB) (TVD)

2981.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press@RunDepth: 28.13 psig @ 4339.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.04

End Date:

2014.11.05

Last Calib.: 2014.11.05

Start Time: 23:35:02

End Time:

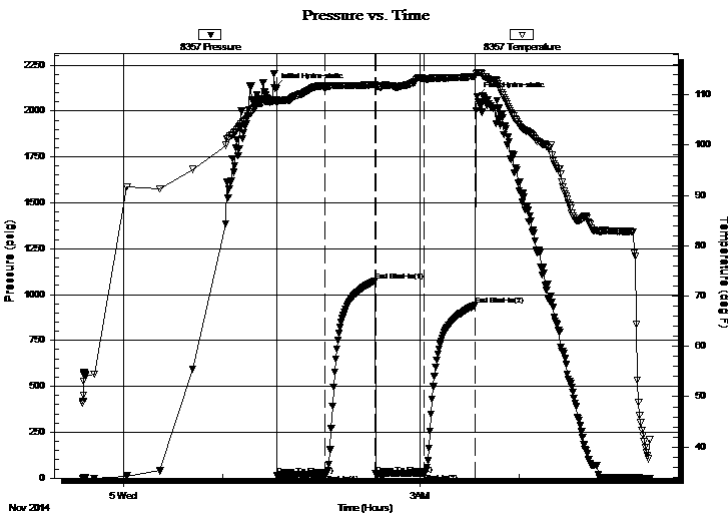
05:19:30

Time On Btm: 2014.11.05 @ 01:31:30

Time Off Btm: 2014.11.05 @ 03:34:40

TEST COMMENT: 30- 1/2" Blow .
30- No return.
30- No blow .
30- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2128.11	108.81	Initial Hydro-static
2	15.37	108.46	Open To Flow (1)
31	21.23	111.50	Shut-In(1)
62	1075.76	112.04	End Shut-In(1)
62	22.61	111.55	Open To Flow (2)
91	28.13	113.20	Shut-In(2)
122	942.72	113.64	End Shut-In(2)
124	2076.43	114.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100m	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp., Inc.

S12-17s-33w Scott/KS

1625 N. Waterfront PKWY
Wichita, KS 67206-6602

Ellis 2-12

Job Ticket: 59186

DST#: 2

ATTN: Dave Goldak

Test Start: 2014.11.04 @ 23:35:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 100m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

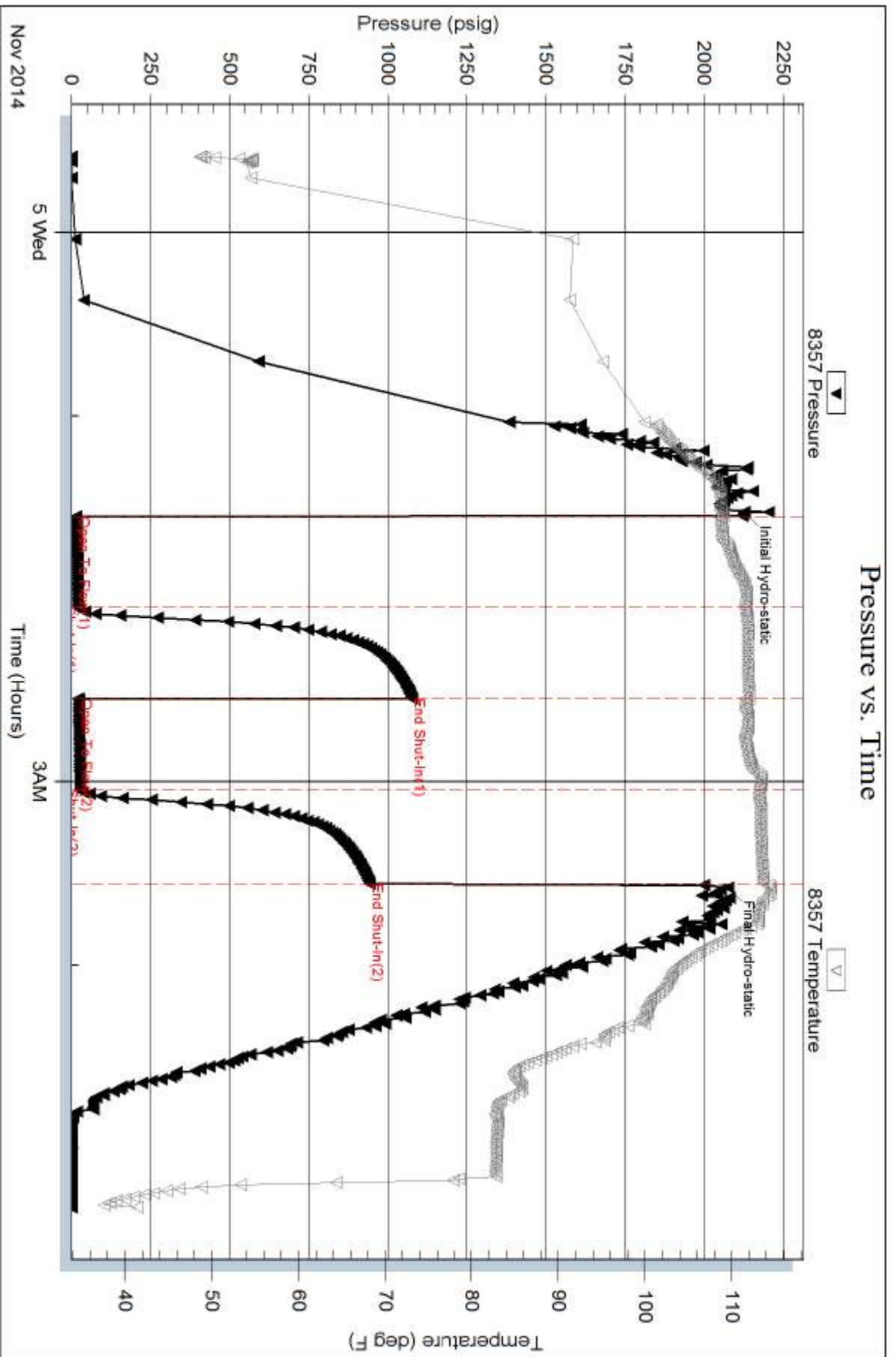
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 10 psi 2000ML OSM total volume 2000ML





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Stelbar Oil Corp., Inc.

S12-17s-33w Scott/KS

1625 N. Waterfront PKWY
Wichita, KS 67206-6602

Ellis 2-12

Job Ticket: 59187

DST#: 3

ATTN: Dave Goldak

Test Start: 2014.11.05 @ 17:00:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:06:10

Time Test Ended: 01:50:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4396.00 ft (KB) To 4424.00 ft (KB) (TVD)

Reference Elevations: 2986.00 ft (KB)

Total Depth: 4424.00 ft (KB) (TVD)

2981.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press@RunDepth: 344.99 psig @ 4397.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.05

End Date:

2014.11.06

Last Calib.: 2014.11.06

Start Time: 17:00:02

End Time:

01:50:30

Time On Btm: 2014.11.05 @ 19:04:40

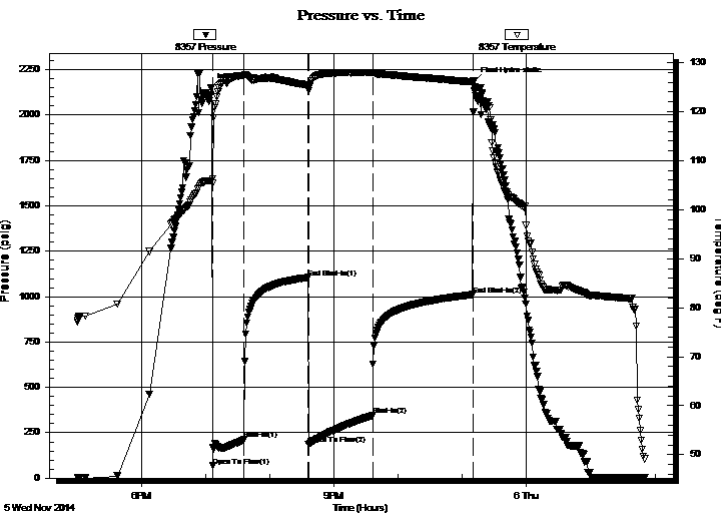
Time Off Btm: 2014.11.05 @ 23:10:30

TEST COMMENT: 30- B.O.B. @ 9 1/2 min.

60- No return.

60- B.O.B. @ 14 min.

90- B.O.B. @ 65 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2150.93	105.94	Initial Hydro-static
2	67.01	105.36	Open To Flow (1)
32	212.47	127.36	Shut-In(1)
91	1105.09	125.39	End Shut-In(1)
92	184.83	124.85	Open To Flow (2)
152	344.99	127.91	Shut-In(2)
245	1011.34	126.05	End Shut-In(2)
246	2183.15	126.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .250 @ 31 Degrees F = 70000 PPM	0.00
0.00	105' GIP	0.00
378.00	OSMW 10m 90w	4.21
126.00	GOCW 20g 30o 50w	1.77
126.00	GOCMW 20g 10o 30m 40w	1.77
140.00	GO 20g 80o	1.96

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp., Inc.

S12-17s-33w Scott/KS

1625 N. Waterfront PKWY
Wichita, KS 67206-6602

Ellis 2-12

Job Ticket: 59187

DST#: 3

ATTN: Dave Goldak

Test Start: 2014.11.05 @ 17:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

70000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

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
0.00	RW: .250 @ 31 Degrees F = 70000 PPM	0.000
0.00	105' GIP	0.000
378.00	OSMW 10m 90w	4.209
126.00	GOCW 20g 30o 50w	1.767
126.00	GOCMW 20g 10o 30m 40w	1.767
140.00	GO 20g 80o	1.964

Total Length: 770.00 ft Total Volume: 9.707 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

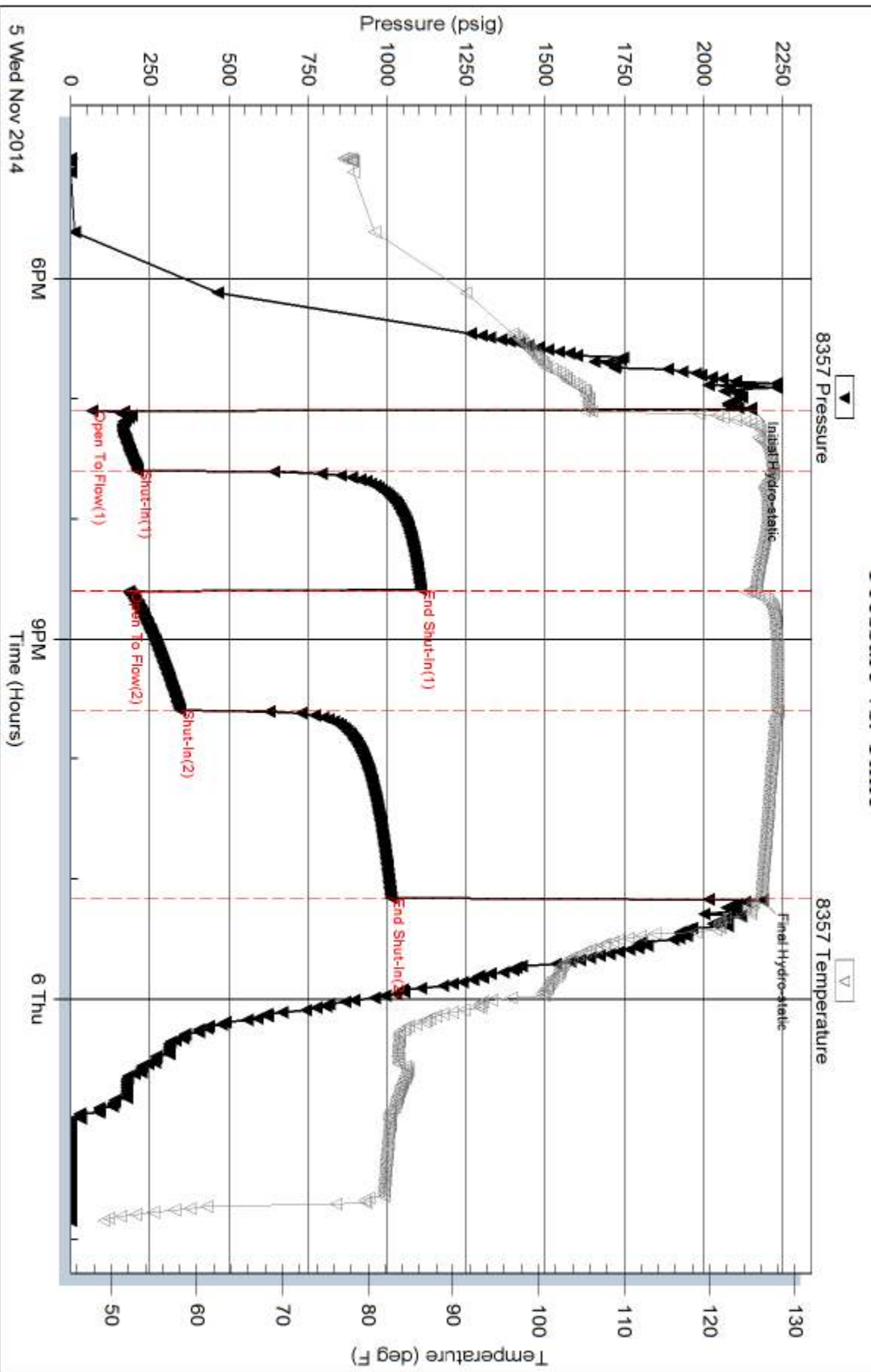
Laboratory Name:

Laboratory Location:

Recovery Comments: API: 27 @ 40 Degrees F = 29.

Sampler: 20 psi 200 ML oil, 1500 ML w ater, 200 ML mud
total volume 2000 ML

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stelbar Oil Corp., Inc.

S12-17s-33w Scott/KS

1625 N. Waterfront PKWY
Wichita, KS 67206-6602

Ellis 2-12

Job Ticket: 59188

DST#: 4

ATTN: Dave Goldak

Test Start: 2014.11.06 @ 23:08:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:16:40

Time Test Ended: 07:38:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4580.00 ft (KB) To 4634.00 ft (KB) (TVD)

Reference Elevations: 2986.00 ft (KB)

Total Depth: 4634.00 ft (KB) (TVD)

2981.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press@RunDepth: 47.03 psig @ 4583.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.06

End Date:

2014.11.07

Last Calib.: 2014.11.07

Start Time: 23:08:02

End Time:

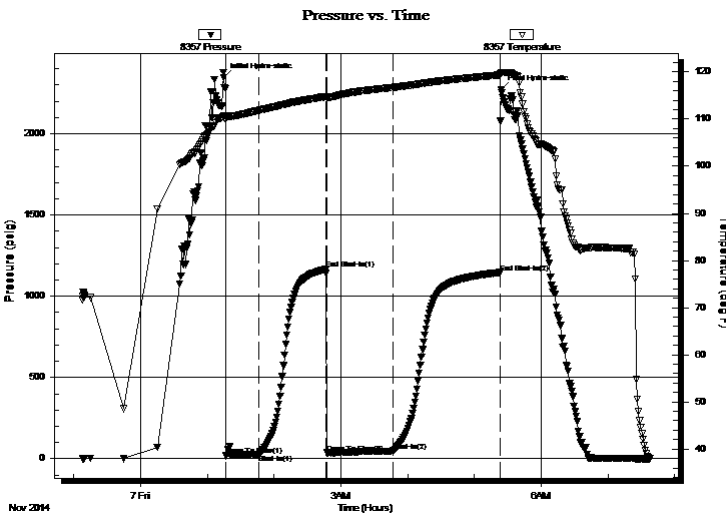
07:38:10

Time On Btm: 2014.11.07 @ 01:14:30

Time Off Btm: 2014.11.07 @ 05:24:00

TEST COMMENT: 30- 6" Blow .
60- No return.
60- B.O.B. @ 28 min.
90- 1/2" Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2345.23	110.50	Initial Hydro-static
3	19.15	109.87	Open To Flow (1)
32	28.83	111.81	Shut-In(1)
92	1165.43	114.76	End Shut-In(1)
93	35.80	114.56	Open To Flow (2)
153	47.03	116.72	Shut-In(2)
249	1146.32	119.35	End Shut-In(2)
250	2268.97	119.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	280' GIP	0.00
90.00	GMCO 20g 5m 75o	0.44

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp., Inc.

S12-17s-33w Scott/KS

1625 N. Waterfront PKWY
Wichita, KS 67206-6602

Ellis 2-12

Job Ticket: 59188

DST#: 4

ATTN: Dave Goldak

Test Start: 2014.11.06 @ 23:08:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	280' GIP	0.000
90.00	GMCO 20g 5m 75o	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 27 @ 40 Degrees F = 29.

Sampler: 500 psi 2 CU/Ft 500 ML gas 1400 ML oil 100 ML mud

Total volume 2000 ML

Pressure vs. Time

