



KANSAS CORPORATION COMMISSION 1050236
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3956
Name: Brungardt Oil and Leasing Inc.
Address 1: 529 E 14TH
Address 2: PO BOX 871
City: RUSSELL State: KS Zip: 67665 + 1731
Contact Person: Gary L. Brungardt
Phone: (785) 483-4975
CONTRACTOR: License # 5184
Name: Shields Oil Producers Inc
Wellsite Geologist: Brad Hutchinson
Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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

Conv. to GSW

Plug Back: _____ Plug Back Total Depth _____

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

ENHR Permit #: _____

GSW Permit #: _____

<u>11/14/2010</u>	<u>11/21/2010</u>	<u>12/28/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26046-00-00

Spot Description: _____
E2 W2 SW NE Sec. 6 Twp. 13 S. R. 16 East West
1,980 Feet from North / South Line of Section
2,210 Feet from East / West Line of Section

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

County: Ellis

Lease Name: Windholz Well #: 2

Field Name: _____

Producing Formation: Arbuckle

Elevation: Ground: 2024 Kelly Bushing: 2029

Total Depth: 3524 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 215 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 0
feet depth to: 1250 w/ 175 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 30000 ppm Fluid volume: 500 bbls
Dewatering method used: Evaporated

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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Deanna Garrison Date: 02/25/2011



1050236

Operator Name: Brungardt Oil and Leasing Inc. Lease Name: Windholz Well #: 2
 Sec. 6 Twp. 13 S. R. 16 East West County: Ellis

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Geologists Report
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CASING RECORD <input checked="" 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
Surface	12.25	8.625	24	215.69	common	150	3%cc and 2%gel
Production	7.875	5.5	17	3518.82	common	150	10%salt and 500gal WFR-2

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

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

TUBING RECORD: Size: <u>27/8</u> Set At: <u>3476</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>1/5/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbbs. <u>15</u>	Gas Mcf	Water Bbbs. <u>10</u> 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 checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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ALLIED CEMENTING CO., LLC. 30143

 REMIT TO P.O. BOX 21
 RUSSELL, KANSAS 67665

 SERVICE POINT: Russell

DATE <u>1/14/10</u>	SEC <u>6</u>	TWP <u>17</u>	RANGE <u>16</u>	WELLS CALLED OUT	WELL LOCATION	JOB START	JOB FINISH
LEASE <u>Widely</u>	WELL # <u>2</u>	LOCATION <u>U.S. Bank & Hwy 40 N.W.</u>	CROSS	STATE			
OLD OR NEW (circle one)		<u>5 man on rd 1E 1/2 S W 20</u>					

CONTRACTOR <u>Sheldahl Drilling Rig #1</u>	OWNER
TYPE OF JOB <u>Seal-in Seal</u>	
HOLE SIZE <u>10 1/2</u>	I.D. <u>215</u>
CASING SIZE <u>PPH</u>	DEPTH <u>215.67</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15</u>	
PERFS	
DISPLACEMENT <u>12.28 611</u>	

EQUIPMENT	COMMON	AMOUNT ORDERED	
	<u>150</u>	<u>150 Con</u>	<u>386 39.64</u>
	POZMIX		
	GEL		
	CHLORIDE		
	ASC		

PUMP TRUCK	CEMENTER <u>Shane</u>
# <u>417</u>	HELPER <u>Heath</u>
BULK TRUCK	
# <u>328</u>	DRIVER <u>Rovin</u>
BULK TRUCK	
#	DRIVER

REMARKS:
Rec 5 ft - Casing St.
with Circulation
Mixed 150 SK
Cement Circulated!

CHARGE TO Bronstadt Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

HANDLING 15 @ 2.25 337.50
 MILEAGE 1400 @ 2.25 3100.00
 TOTAL 3437.50

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>99.00</u>
EXTRA FOOTAGE	
MILEAGE	<u>15</u> @ <u>2.00</u> <u>105.00</u>
MANIFOLD	
TOTAL	<u>1094.00</u>

PLUG & FLOAT EQUIPMENT

TOTAL	<u>N.C.</u>

To Allied Cementing Co., LLC
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Thomas Engle
 SIGNATURE Thomas Engle

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

Thanks!

ALLIED CEMENTING CO., LLC. 033996

 REMIT TO PO BOX 11
 RUSSELL, KANSAS 67665

 SERVICE POINT:
 Russell, KS

DATE	SPC	TRF	RANGE	CALLER OUT	ON LOCATION	JOB START	JOB FINISH
11-21-10	6	13	16			6:00am	6:30am
Windholz LEASE	WELL # 2		LOCATION Victoria KS T-70 east 5 1/2 North		ELLIS	COUNTY STATE	KS
OLD OR NEW (Circle one) <u>NEW</u> (Circle one) <u>East 1/4 South 1/2 east into</u>							

CONTRACTOR <u>Shields Drilling Rig #1</u>	OWNER _____
TYPE OF JOB <u>Production String</u>	CEMENT _____
HOLE SIZE <u>7 1/2</u>	I.D. <u>3524'</u>
CASING SIZE <u>5 1/2 17"</u>	DEPTH <u>3512.22'</u>
TUBING SIZE _____	DEPTH _____
DRILL PIPE _____	DEPTH _____
TOOL <u>Port Collar #72</u>	DEPTH <u>1212'</u>
PRES. MAX _____	MINIMUM _____
MEAS. LINE _____	SHOE JOINT <u>22'</u>
CEMENT LEFT IN CSG. <u>32'</u>	COMMON <u>150</u> @ <u>12.00</u> <u>2025.00</u>
REEL <u>Latch Down Raffle Plug @ 2000-2000'</u>	POZMIN @ _____
DISPLACEMENT <u>80.92 BBL</u>	CEL @ _____
EQUIPMENT _____	CHLORIDE @ _____
	ASC @ _____
	<u>Salt</u> <u>6</u> @ <u>21.25</u> <u>127.50</u>
	<u>WFR-2</u> <u>500</u> @ <u>110</u> <u>550.00</u>
	_____ @ _____
	_____ @ _____
PUMP TRUCK # <u>398</u> CEMENTER <u>John Roberts</u>	_____ @ _____
HELPER <u>Richard Ellis</u>	_____ @ _____
BULK TRUCK # <u>410</u> DRIVER <u>Mack Radke</u>	_____ @ _____
BULK TRUCK # _____ DRIVER _____	_____ @ _____
	HANDLING <u>150</u> @ <u>22.00</u> <u>3300.00</u>
	MILEAGE <u>1088</u> @ <u>1.10</u> <u>1196.80</u>
	TOTAL <u>3740.00</u>

REMARKS:
 Ran 108 jts 5 1/2 17" casing. Est
 Circulation set packer shoe and
 circulation on bottom 30 min. Plug
 Raffle & Mouse hole w/ 1500 cement
 Pump 500 gal WFR-2 and mid
 105 gal cement @ Displace plug
 w/ 21 BBL H2O. Land plug @ 1500psi.
 Float Did Hold!
 Thank You!

CHARGE TO Beungardt Oil & Leasing
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE	
DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	<u>1952.00</u>
EXTRA FOOTAGE @ _____	_____
MILEAGE <u>15</u> @ <u>7.00</u>	<u>105.00</u>
MANIFOLD @ _____	_____
_____ @ _____	_____
TOTAL	<u>2062.00</u>

5 1/2 PLUG & FLOAT EQUIPMENT	
Packer Shoe @ _____	<u>931.00</u>
Latch Down Plug @ _____	<u>164.00</u>
Port Collar @ _____	<u>1750.00</u>
Cement Basket @ _____	<u>161.00</u>
8-Centralizers @ <u>35.00</u>	<u>280.00</u>
TOTAL	<u>3276.00</u>

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment
 and furnish cementer and helper(s) to assist owner or
 contractor to do work as is listed. The above work was
 done to satisfaction and supervision of owner agent or
 contractor. I have read and understand the "GENERAL
 TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Burton Beery
 SIGNATURE Burton Beery

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 034058

REMIT TO PG BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT

Russell

DATE	SEC.	TWP.	RANGE	CALLED OR T	ON LOCATION	JOB START	JOB FINISH
12-21-00	6	13	16			11:00 AM	10:00 PM
LEASE	WELL #	LOCATION		COUNTY	STATE		
Widdie	2	Victoria - T 2D S 1/4 N 16		Russell	KS		
OLD OR NEW (Circle one)							
NEW				<u>4.5 With</u>			

CONTRACTOR <u>CKW S</u>	OWNER
TYPE OF JOB <u>Bit Cell Circulate Cement</u>	CEMENT <u>Used 150 skt</u>
HOLE SIZE <u>7 7/8</u>	T.D. <u>3525</u>
CASING SIZE <u>5 7/8</u>	DEPTH <u>2520</u>
TUBING SIZE <u>2 3/4</u>	DEPTH <u>1212</u>
DRILL PIPE	DEPTH
LOGS <u>Bit Cell</u>	DEPTH <u>1212</u>
PRES. MAX. <u>1000 psi</u>	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG	
PERFS.	
DISPLACEMENT <u>735.661</u>	
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Edgar, Heath</u>	
# <u>366</u> HELPER <u>Bob</u>	
BULK TRUCK	
# <u>461</u> DRIVER <u>Woody</u>	
BULK TRUCK	
#	DRIVER
	COMMON _____ @ _____
	POZMIX _____ @ _____
	GEL _____ @ _____
	CHLORIDE _____ @ _____
	ASC _____ @ _____
	CEMENT <u>150 skt @ 111 1772.50</u>
	<u>4.5 Seal 37 @ 2.45 90.65</u>
	HANDLING <u>150 @ 2.25 337.50</u>
	MILEAGE <u>1.00 h.h. mile @ 300.00</u>
	TOTAL 2505.65

REMARKS:
Tested hole to 1000 psi.
Opened P.C. Cell Circulation.
Used 150 skt of cement
Cement to surface displaced
3.5 skt. Closed P.C. Tested
to 1000 psi. Held cement 5 skt.
Weight down cement out
of hole.

CHARGE TO: Burgardt Oil
 STREET _____ CITY _____ STATE _____ ZIP _____
TOTAL 1096.00

Thanks!
 To Allied Cementing Co., LLC
 You are hereby requested to rent cementing equipment
 and furnish cementer and helper(s) to assist owner or
 contractor to do work as is listed. The above work was
 done to satisfaction and supervision of owner agent or
 undersigned. I have read and understand the "GENERAL
 TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT _____

TOTAL _____
 SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS _____
 PRINTED NAME _____
 SIGNATURE Greg L. Burgardt

BRAD HUTCHINSON

116 EVES DRIVE
RUSSELL, KANSAS 67665

785-483-0492

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY BRUNGARDT OIL & LEASING, INC.

ELEVATIONS

LEASE WINDHOLZ #2

KB 2029'

FIELD EMMERAN TOWNSHIP

DF _____

LOCATION E/2 W/2 SW NE

GL 2024'

SEC 6 TWP 13S RGE 16W

Measurements Are All
From KELLY BUSHING

COUNTY ELLIS STATE KANSAS

CONTRACTOR SHIELDS OIL PRODUCERS, INC.

CASING
SURFACE 8 5/8" @ 215'
PRODUCTION 5 1/2" @ 3520'

SPUD 11-14-10 COMP 11-20-10

RTD 3524 (-1495) LTD _____

ELECTRICAL SURVEYS
NONE

MUD UP 2600' TYPE MUD CHEMICAL

SAMPLES SAVED FROM 2800' TO RTD

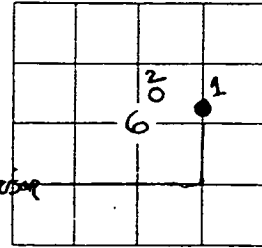
DRILLING TIME KEPT FROM 2850' TO RTD

SAMPLES EXAMINED FROM 2950' TO RTD

GEOLOGICAL SUPERVISION FROM 2950' TO RTD

GEOLOGIST ON WELL BRAD J. HUTCHINSON

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	(-2)	1182 +847
TOPEKA	(+1)	2970 -941
HEEPNER	(-2)	3217 -1188
TORONTO	(-1)	3238 -1209
LANDING	(FLAT)	3267 -1238
BASE KANSAS CITY	(-1)	34910 -1467
ARBUCKLE	(-1)	3518 -1489



REMARKS 8 5/8" SURFACE CASING SET @ 215'
W/ 150 BX. COM. 2% OIL. 39% OIL.

11-14-10 MIBW BIT No. 1 No. 2
11-15-10 345' 9 HRS.
11-16-10 1964' 30 1/2
11-17-10 2115' 51 3/4
11-18-10 3320' 66
11-19-10 3310'
11-20-10 3495' 3 HRS.

Survey: Depth Deviation:
215' 34'
3320' 10'

STRAP: 1.79' SHORT

It was recommended based on the one (1) positive drill stem test, that 5 1/2" production casing be set and cemented at 3520', four (4) foot off bottom and the following zone to be tested.

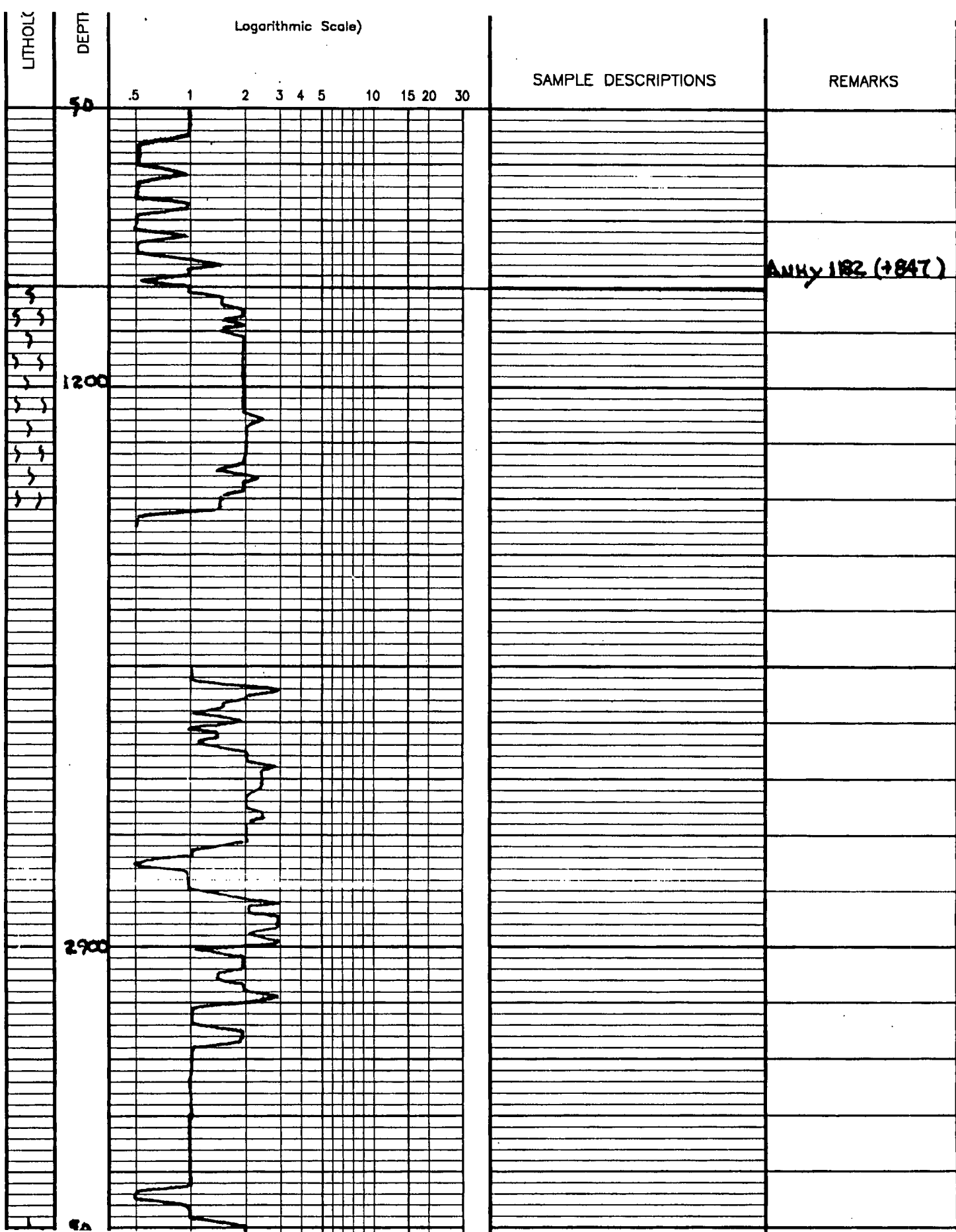
I. ARBUCKLE - OPEN HOLE COMPLETION

RESPECTFULLY SUBMITTED,
Brad J. Hutchinson

LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Coo. Lims
- Chert
- Dolomite

DRILLING TIME



LOPEKA 2970(-941)

L7 LT GRY - BUFF FOSS
CHALKY

L7 AA

SH BLK - GRY CARBS

L7 WHT FNXL FOSS

L7 WHT - CRM CHALKY
w/ gcy sh.

L7 CRM CHALKY DSC.
TR DK BRN STG.

ABUND WHT - CRM CHALKY
w/ gcy sh.

L7 1/2 SH AA

AA

SH BLK CARBS

SH PATE gfn gumb.

L7 CRM - BUFF FNXL CHALKY
ABUND WHT CHALKY

L7 gcy DX
TR A

AA w/ TR smoky BLK
A

SH BLK CARBS

L7 DIRTY WHT CHALKY
HIGHLY FOSS.

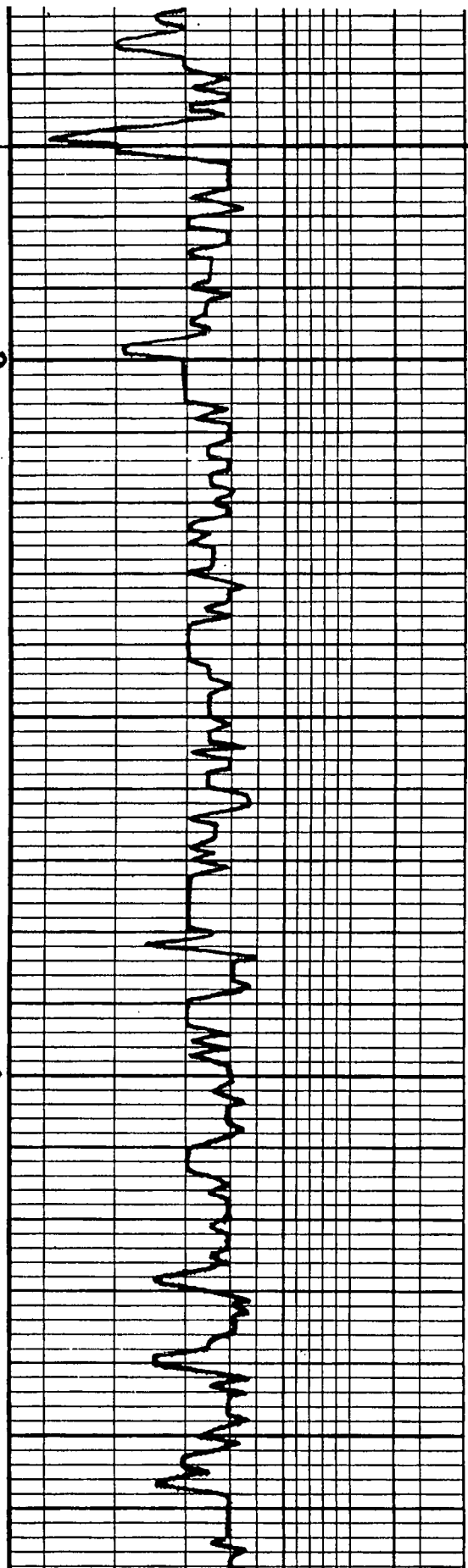
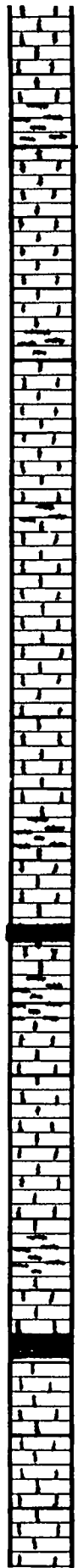
L7 GRY DSC MASSIVE
FOSS.

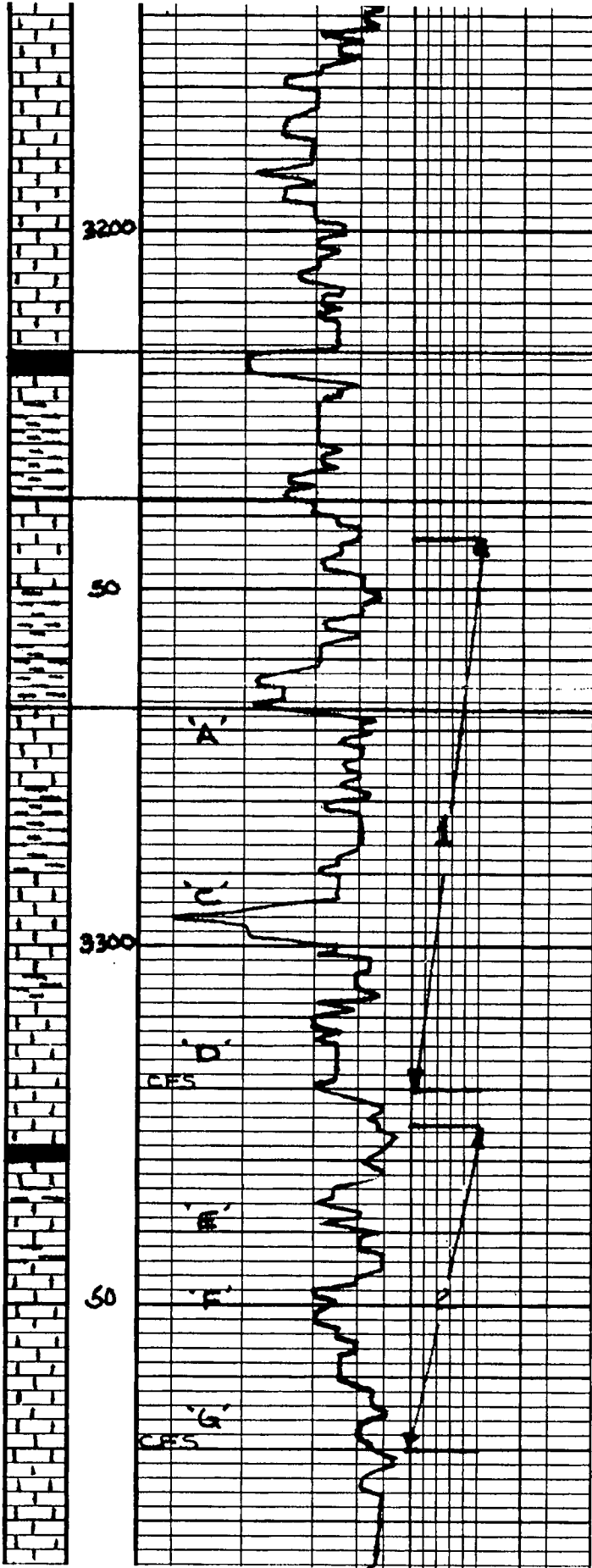
3000

30

3100

50





L5 CRN-WHT FNXL-CHALKY
 TR spt=sectd dk stn
 2-3 pr NEO or odor

INC WHT-CRM CHALKY
 L5

L5 LT GRAY-BUFF DSE

AA

SH BLK CARB

SH Pale GRN-GRY
 RUSTY RED gubabs

L5 BUFF-LT GRAY
 DSE

SH BRICK RED
 gubabs

L5 LT GRAY FNXL v. Dse
 Foss TR v. pr spt vug
 spt blk stn. NEO FT odor

SH GRAY

L5 LT GRAY-BUFF FNXL ool=
 ool FR-ool sectd ool or
 some BACCOA or TR FR spt
 LT BRN STA TR ED FT odor

L5 WHT FNXL CHALKY
 TR STA

SH BLK CARB

L5 CRN-BUFF FNXL ool
 TR STA w/ Abund GRX
 RUSTY BRN SH

L5 CRN-WHT FNXL ool-Foss
 TR FR INT ool-vug type
 sectd LT BRN STA NEO or odor

L5 LT GRAY FNXL DSE Ay Sh
 ool=ool TR spt ool-vug
 of TR sectd BRN STA
 NEO or odor

L5 LT GRAY-BRN DSE

AA

NEEDING 3217(-1185)

TORONTO 3238(-1209)

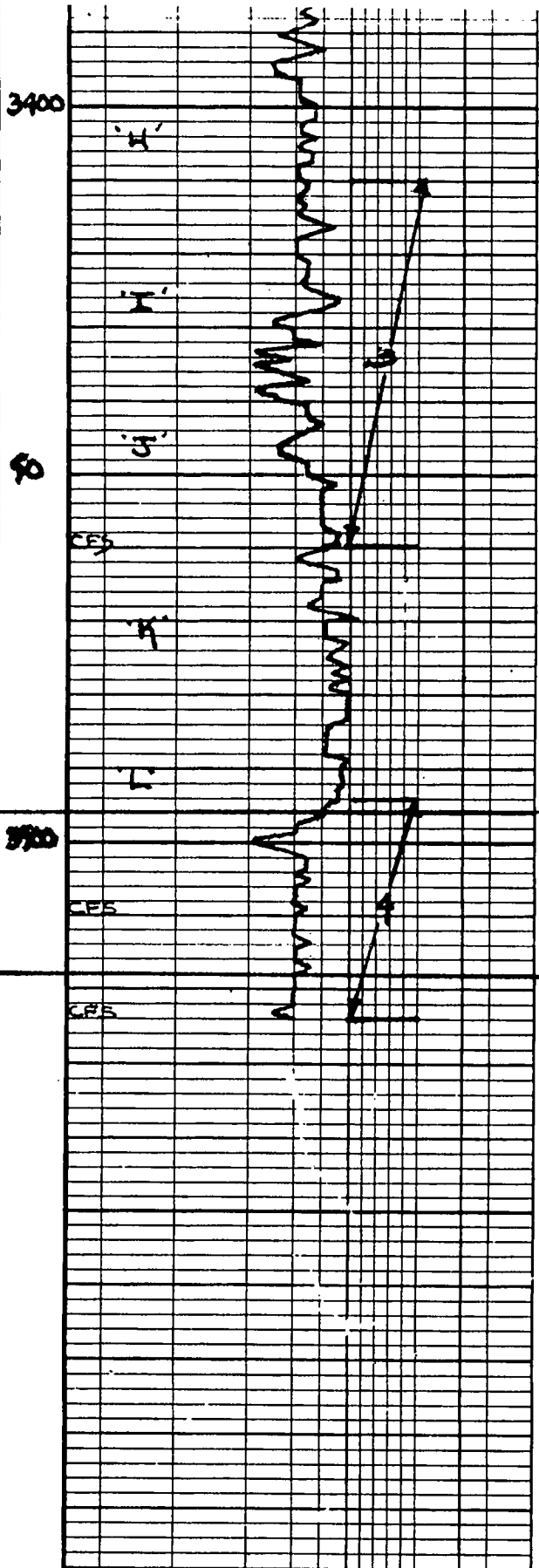
LANSING 3267(-1238)

DST-1 3245-3320 A-D
 30. 30. 60. 60
 IF 2.5"
 FF 2.5"
 PCL 140 505WM
 SXP 239-186"
 EP 15.48 53.82"
 HSK 1570-1933H

CHART PROFILE

DST-2 3325-3370 F-G
 30. 30. 45. 45
 IF 8"
 FF 7"
 PCL 330' MW
 SXP 248-248"
 EP (19-112X) 15-18"
 HSK 1029-1984H

CHART PROFILE



SH BLK CARB, RUSTY BRN

LS LT GRY DSE w/ ITC
WHT chunky b's

SH gry

LS CRN. BUFF FAXL ool
Spt ER opa IR spt YAG p
ER LT BRN (even) STA
NEO OR OCLAR

SH gry

LS LT GRN. BUFF FAXL sub
obs poorly clay opa IR
Sctd blk brn sta (1st pr)
NEO OR OCLAR

SH BLK CARB.

LS BUFF DSE FAXL

AA w/ ITC - gry -
RUSTY BRN SH

AA

SH BRN RED - gry
CLAY

LS gry DSE w/ pyrite
inclusions

OLD LT GRY-TAN md-Ls
xl some else clay & sd
Sctd int xl & gd blk brn sta
blk. gd sctd blk - ER ool
IR Milky WHT A

DST-3 3410-3460 'I-J'
30' 30' 30' 30'

IF Blw Dred 10"
FF No Blow

MEC 10' 05PI
SIP 98-99#

FP 14-20 20-23#
KSH 1670-1619#

CHART PROFILE

BKC 3496 (-1467)

ARB 3518 (-1489)

DST-4 3494-3524 'ARB'
30' 30' 30' 30'

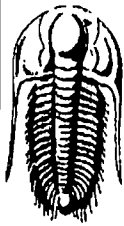
IF 80B-4"
FF 80B-14"

MEC 150' 6IP

120' GCLW 10%g 25%o
65% w

510' GO 20%g 80% o
SIP 755-701#
44-199# 210-256#
KSH 1729-1685#

CHART PROFILE



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Brungart Oil & Leasing inc.

Windholz #1

529 E 14th
PO Box 871
Russell, Ks. 67655+1731
ATTN: Brad Hutchison

6-13s-16w Ellis

Job Ticket: 039985 **DST#: 3**

Test Start: 2010.11.19 @ 20:27:05

GENERAL INFORMATION:

Formation: **LKC "I-J"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 22:11:40

Time Test Ended: 01:48:29

Test Type: **Conventional Bottom Hole**

Tester: **Andy Carreira**

Unit No: **31**

Interval: **3410.00 ft (KB) To 3460.00 ft (KB) (TVD)**

Total Depth: **3460.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2033.00 ft (KB)**

2028.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8352 **Outside**

Press@RunDepth: **22.78 psig @ 3414.00 ft (KB)**

Start Date: **2010.11.19**

End Date:

2010.11.20

Capacity: **8000.00 psig**

Last Calib.: **2010.11.20**

Start Time: **20:27:05**

End Time:

01:48:29

Time On Btm: **2010.11.19 @ 22:10:30**

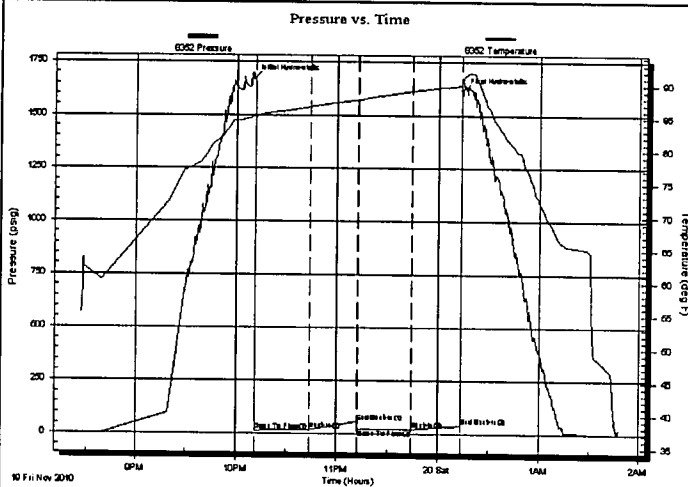
Time Off Btm: **2010.11.20 @ 00:13:50**

TEST COMMENT: **IF: Blow died in 10 min.**

IS: No Return

FF: No Blow

FS: No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1670.51	85.36	Initial Hydro-static
2	14.15	84.83	Open To Flow (1)
34	19.85	86.69	Shut-In(1)
62	58.43	87.76	End Shut-In(1)
63	20.13	87.76	Open To Flow (2)
94	22.78	89.07	Shut-In(2)
123	39.23	89.94	End Shut-In(2)
124	1614.59	90.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM	0.07

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungart Oil & Leasing inc.
529 E 14th
PO Box 871
Russell, Ks. 67655+1731
ATTN: Brad Hutchison

Windholz #1
6-13s-16w Ellis
Job Ticket: 039985 **DST#: 3**
Test Start: 2010.11.19 @ 20:27:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 8.00 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

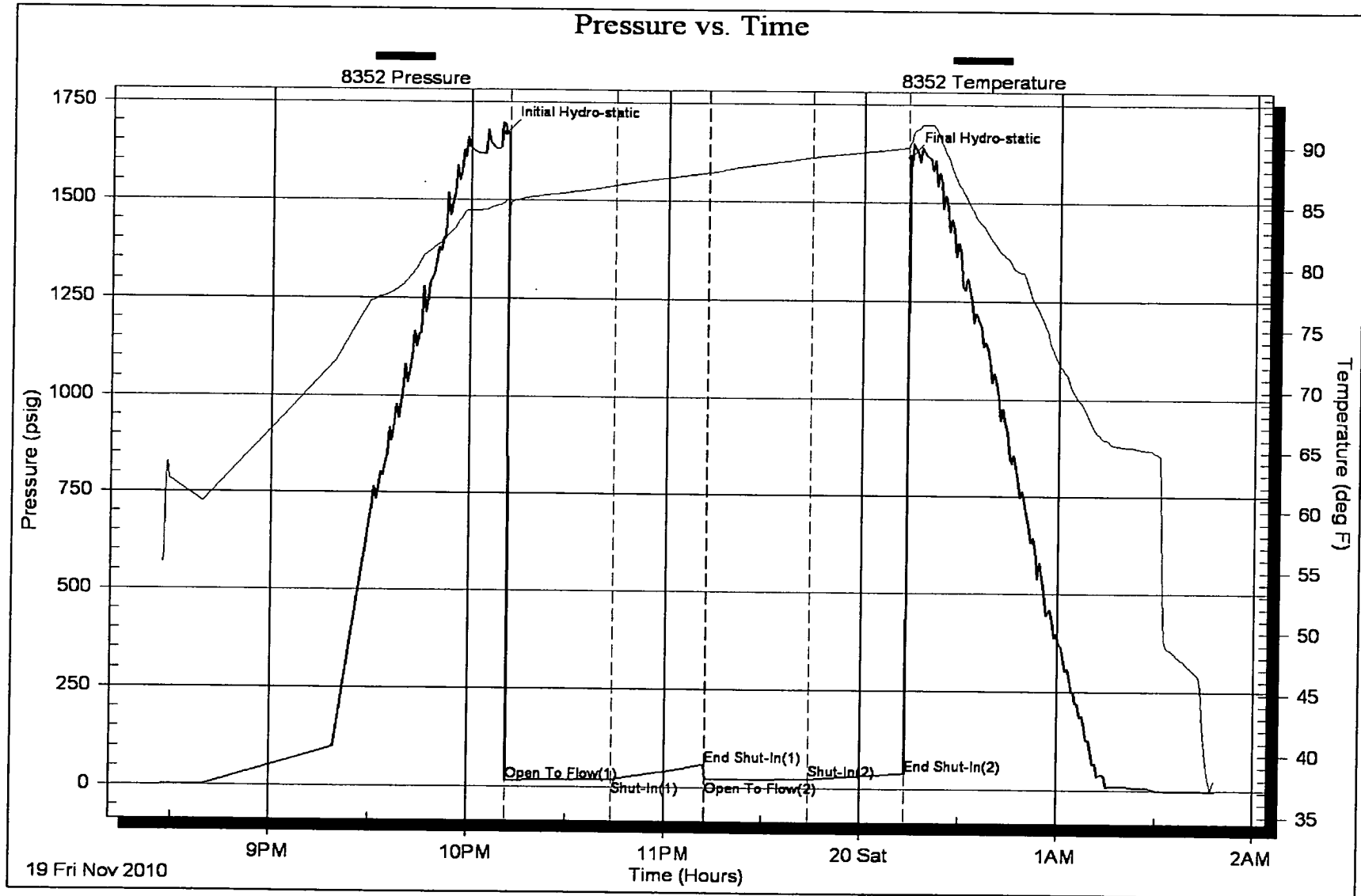
Recovery Information

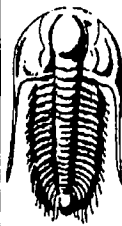
Recovery Table

Length ft	Description	Volume bbl
10.00	OSM	0.071

Total Length: 10.00 ft Total Volume: 0.071 bbl

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





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Brungart Oil & Leasing inc.

Windholz #1

529 E 14th
PO Box 871
Russell, Ks. 67655+1731
ATTN: Brad Hutchison

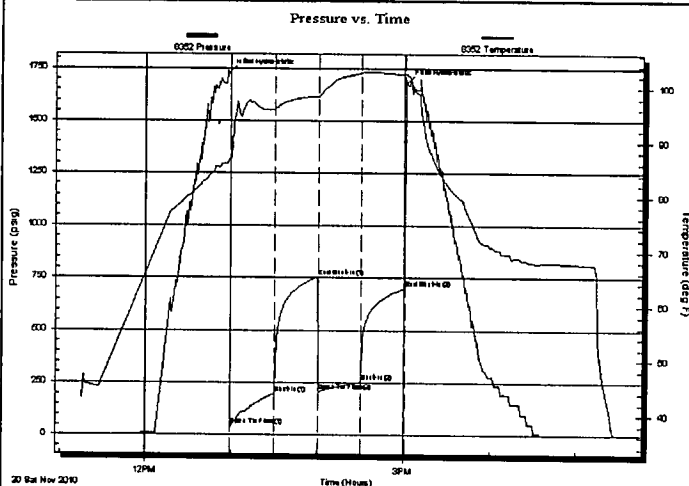
6-13s-16w Ellis
Job Ticket: 039986 **DST#: 4**
Test Start: 2010.11.20 @ 11:15:05

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 12:59:40
Time Test Ended: 17:27:59
Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 31
Interval: **3494.00 ft (KB) To 3524.00 ft (KB) (TVD)**
Total Depth: 3524.00 ft (KB) (TVD)
Reference Elevations: 2033.00 ft (KB)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 5.00 ft

Serial #: 8352 **Outside**
Press@RunDepth: 256.45 psig @ 3497.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.11.20 End Date: 2010.11.20 Last Calib.: 2010.11.20
Start Time: 11:15:05 End Time: 17:27:59 Time On Btm: 2010.11.20 @ 12:58:10
Time Off Btm: 2010.11.20 @ 15:01:40

TEST COMMENT: IF: BOB, 4 min.
IS: Blow Back in 10 min. sustain half inch
FF: BOB, 14 min.
FS: Blow Back in 10 min. sustain surface blow



PRESSURE SUMMARY

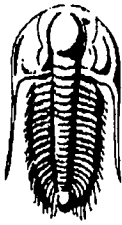
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.73	86.66	Initial Hydro-static
2	44.21	86.37	Open To Flow (1)
33	198.50	96.15	Shut-In(1)
63	754.62	98.50	End Shut-In(1)
63	210.61	98.33	Open To Flow (2)
92	256.45	102.77	Shut-In(2)
123	700.58	102.56	End Shut-In(2)
124	1685.16	102.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCW g=10% o=25% w=65%	0.85
510.00	GO g=20% o=80%	4.74
0.00	GIP=150ft	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungart Oil & Leasing inc.

Windholz #1

529 E 14th
PO Box 871
Russell, Ks. 67655+1731
ATTN: Brad Hutchison

6-13s-16w Ellis
Job Ticket: 039986 DST#: 4
Test Start: 2010.11.20 @ 11:15:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 26 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.00 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3400.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

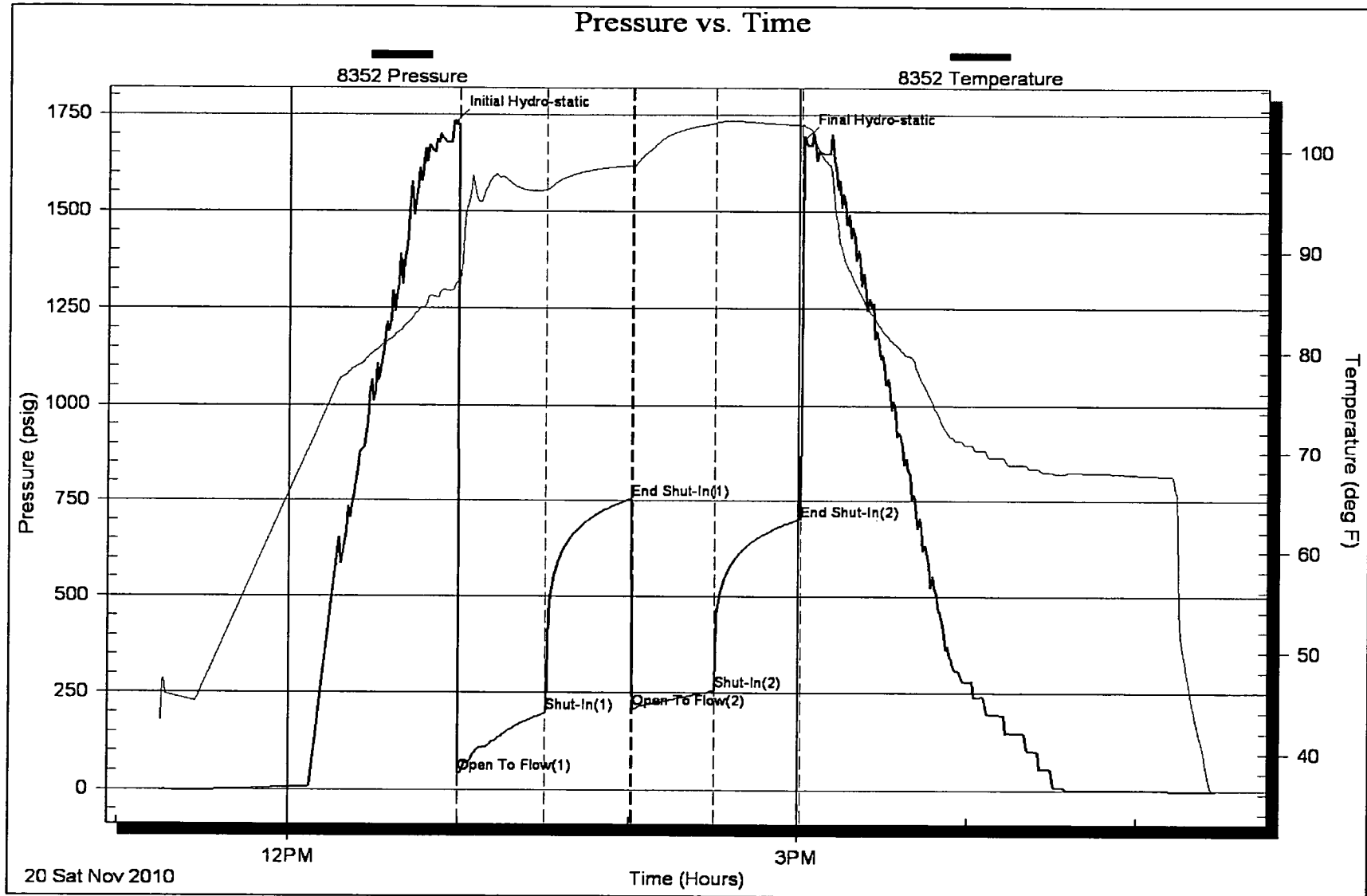
Length ft	Description	Volume bbl
120.00	GOCW g=10% o=25% w =65%	0.850
510.00	GO g=20% o=80%	4.739
0.00	GIP=150ft	0.000

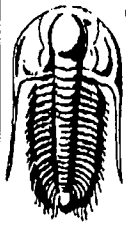
Total Length: 630.00 ft Total Volume: 5.589 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

ESJMTUFN!UFTU!SFQPSU

CsvohbslPjrh IM bt johljod/

Windholz #1

63: IFI25ü
CP!Cpy!982
Svt t f mlLt /78766, 2842
BUUC; Csbell vudi jt po

6-13s-16w Ellis KS
Kpc!Ujdl f u 151136 **DST#: 1**
Uf t uTubsj 3121/22/29!A !22;56;16

HF OF SBM.DGP SN BUPO;

Qpsn bupo; **Lan."A-D"**
Ef wjbf e; Op X i jqt updl ; g!)LC*
Ujnf !UpprtPqf of e; 24;38;41
Ujnf !Uf t uFoef e; 2 ;26;31

Uf t uLzqf ; Dpowf oujpohtCpupn ll prn
Uf t u f s; Boez!Dbsf jsb
VojulOp; 42

Interval: 3245.00 ft (KB) To 3320.00 ft (KB) (TVD)
UjbrtEf qu ; 4431/11 g!)LC*)UAE*
l prn!Ejbn f f s; 8/99 jodi f t l prn!Dpoejypo; Gbjs

Sf g f od f !Ffmbujpot ; 3144/11 g!)LC*
3139/11 g!)DG*
LC!up!HSÜDG 6/11 gu

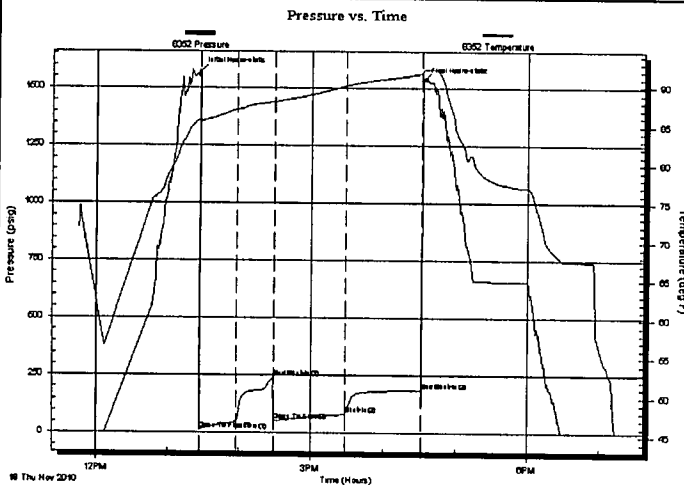
Serial #: 8352

Outside

Qs f t t A SvoEf qu ; 93/63 qt jh A 435: /11 g!)LC*
Tubs!Ebf ; 3121/22/29 FoelEbf ; 3121/22/29
Tubs!Ujnf ; 22;56;16 Foel!Ujnf ; 2 ;26;31

Dbqbdjuz; 9111/11 qt jh
Mbt uDbrjo/; 3121/22/29
Ujnf !PolCun ; 3121/22/29!A !24;37;61
Ujnf !PggCun ; 3121/22/29!A !27;43;1:

UFTUDPNNFOU; G!Gbj3/6!jodi f t
J;!Op!Sf wso
GG!Gbj3/6!jodi f t
GF;!Op!Sf wso



QSFTTVSF!TVNBSZ

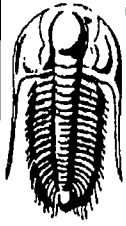
Ujnf)Njo/*	Qs f t t vsf)qt jh*	Uf nq)ef hlG*	Boopubjpo
1	267: /95	96/88	bjjbrth zesp.t ubjd
2	26/17	96/45	Pqf olUp!Gpx)2*
43	58/61	98/25	Ti vu.ü)2*
74	349/66	99/26	Foel!Ti vu.ü)2*
74	64/26	99/18	Pqf olUp!Gpx)3*
233	93/63	: 1/31	Ti vu.ü)3*
296	296/85	: 2/91	Foel!Ti vu.ü)3*
297	2643/75	: 3/28	Gobrth zesp.t ubjd

Sf dpwf sz

Mohü)gl	Eft dsqjpo	Vjvnt f)corh
251/11	TPTX N	1/ :

Hbt !Sbf t

Di pl f)od f t*	Qs f t t vsf)qt jh*	Hbt !Sbf)N N dge*



**TRILOBITE
TESTING, INC**

ESJMMTUFN!UFTU!SFQPSU

FLUID SUMMARY

CsvohbsUPjrh !M bt johljod/

Windholz #1

63: IFI25ü
CP!Cpy!982
Svt t f mlLt /78766, 2842
BUUC; Csbell vudi jt po

6-13s-16w Ellis KS
Kpc!Udl f u 151136 **DST#: 1**
Uft uTubsj 3121/22/29IA !22;56;16

Mud and Cushion Information

Nve!Uzqf; Hf nDi f n	Dvt i jpo!Uzqf;	PjrtBQJ	ef h!BQJ
Nve!X f jhi u : /11 r0hbm	Dvt i jpo!M ohü ;	gu	X bñ s!Tbjpuz; qqn
Vjt dpt juz; 64/11 t f d0 u	Dvt i jpo!Wpwn f;	ccm	
X bñ s!Mpt t; 9/11 jop	Hbt !Dvt i jpo!Uzqf;		
Sf t jt yvjuz; pi n/n	Hbt !Dvt i jpo!Qsf t t vsf;	qt jh	
Tbjpuz; 5111/11 qqn			
Gñf s!Dbl f; jodi ft			

Recovery Information

Sf dpwf sz!Ubcfrh

M ohü gu	Ef t dsjqpo	Wpwn f ccm
251/11	TPTX N	1/ : 2

UpbrtM ohü ; 251/11 gu UpbrtWpwn f ; 1/ : 2 ccm
Ovn !Gvje!Tbn qrit ; 1 Ovn !Hbt !Cpn ct ; 1 Tf gbrt\$;
Mocpsbupsz!Obn f ; Mocpsbupsz!Mpdbyjo;
Sf dpwf sz!Dpn n f out ;

