



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1151652
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: _____



1151652

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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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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

August 08, 2013

Randall Pfeifer
RL Investment, LLC
217 SAINT PETER ST
MORLAND, KS 67650-5101

Re: ACO1
API 15-065-23934-00-00
Dreiling 6
SE/4 Sec.21-09S-25W
Graham 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,
Randall Pfeifer

SCHIPPER'S OIL FIELD SERVICES, L.L.C.

1017

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS - Hoxie, KS

DATE <u>5-20-13</u>	SEC. <u>71</u>	TWP. <u>9</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>6:15pm</u>	JOB FINISH <u>6:45pm</u>
LEASE <u>Drilling</u>	WELL# <u>6</u>	LOCATION <u>St Peter, KS 5N 1W</u>	COUNTY <u>Greoham</u>	STATE <u>KS</u>			
OLD OR NEW (CIRCLE ONE)			<u>1/2 S Winto</u>				

CONTRACTOR <u>WW Drilling</u>	OWNER <u>RL Investment</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>259</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>251.75</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>300psi</u>	MINIMUM <u>100psi</u>
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15 ft</u>	
PERFS	
DISPLACEMENT <u>15.5 bbl</u>	
EQUIPMENT	
PUMP TRUCK # <u>P1</u>	CEMENTER <u>Heath</u>
	HELPER <u>Cody</u>
BULK TRUCK # <u>B1</u>	DRIVER <u>Dag</u>
BULK TRUCK #	DRIVER

CEMENT AMOUNT ORDERED <u>200sr com 3% CC 2% ggd</u>	
COMMON <u>200sr</u>	@ <u>15.50</u> <u>\$3,100.00</u>
POZMIX	@
GEL <u>4sr</u>	@ <u>20.50</u> <u>\$82.00</u>
CHLORIDE <u>7sr</u>	@ <u>53.00</u> <u>\$371.00</u>
ASC	@
	@
	@
	@
	@
	@
	@
	@
	@
HANDLING <u>211sr</u>	@ <u>2.10</u> <u>\$443.10</u>
MILEAGE <u>.08/sr/mile</u>	<u>\$1080.40</u>
TOTAL	<u>\$5,076.50</u>

REMARKS:

Run to HS of 8 5/8 casing and landing

Est Circulation
Mixed 200sr and disp 15.5 bbl of H2O
Shut in @ 300ps.
Cement Did Circulate!
CHARGE TO: RL Investments
STREET 217 Saint Peter St
CITY Marland STATE KS ZIP _____

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>\$1,050.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>32 x 2</u>	@ <u>16.50</u> <u>\$416.00</u>
MANIFOLD <u>2 MV 32 x 2</u>	@ <u>52.00</u> <u>\$128.00</u>
	@
TOTAL	<u>\$1,594.00</u>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

Schippers Oil Field Services, L.L.C.,
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.
Thank You.

PRINTED NAME Jason Richardson
SIGNATURE [Signature]

SALES TAX (If Any) _____
TOTAL CHARGES \$6,670.50
DISCOUNT -15% IF PAID IN 30 DAYS
AFTER Discount
\$5,669.90

SCHIPPER'S OIL FIELD SERVICES, L.L.C.

Bottom stage
1023

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT:
Russell, KS - Hoxie, KS

DATE <u>5-27-13</u>	SEC. <u>21</u>	TWP. <u>9</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00pm</u>	JOB FINISH <u>6:00pm</u>
LEASE <u>Drilling</u>	WELL #. <u>6</u>	LOCATION <u>St Peter KS 5-1V</u>		COUNTY <u>Graham</u>	STATE <u>KS</u>		
OLD OR NEW (CIRCLE ONE) <u>NEW</u>				<u>1W 1/2 S water</u>			

CONTRACTOR <u>Wsw Drilling</u>	OWNER
TYPE OF JOB <u>2-stage</u>	
HOLE SIZE	T.D. <u>4161</u>
CASING SIZE <u>5 1/2</u>	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>DV Tool</u>	DEPTH <u>2270.34</u>
PRES. MAX <u>1500psi</u>	MINIMUM <u>100psi</u>
MEAS. LINE	SHOE JOINT <u>42.43</u>
CEMENT LEFT IN CSG. <u>42.43</u>	
PERFS	
DISPLACEMENT	

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Heath</u>
# <u>P1</u>	HELPER <u>Cody</u>
BULK TRUCK	
# <u>B1</u>	DRIVER <u>Jay</u>
BULK TRUCK	
#	DRIVER

CEMENT		
AMOUNT ORDERED <u>175sx com 2% plaster</u>		
<u>2% gel</u>		
COMMON <u>175sx</u>	@ <u>\$15.50</u>	<u>\$2,712.50</u>
POZMIX	@	
GEL <u>4sx</u>	@ <u>\$20.50</u>	<u>\$82.00</u>
CHLORIDE	@	
ASC	@	
<u>Plaster 7sx</u>	@ <u>\$30.00</u>	<u>\$210.00</u>
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>186sx</u>	@ <u>\$2.10</u>	<u>\$390.60</u>
MILEAGE <u>.0815x tank</u>		<u>\$476.20</u>
TOTAL		<u>\$2,871.30</u>

REMARKS:

Ran 100 H2O at 5 1/2 casing and landing it
Est Circulation for 1hr and hooked up and
mixed 500gal mud flush - 10 bbl of
KCL water and 175sx - shut down
and washed pump and lines clean - diso
4 bbl H2O and 54 bbl of mud plug landed @
500psi. Released and held - dropped opening
tool and opened DV tool with 1000psi!

CHARGE TO: RQL Investments
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE <u>1st stage</u>		<u>\$1,850.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>0.2x2</u>	@ <u>\$6.50</u>	<u>\$416.00</u>
MANIFOLD <u>DV 30x2</u>	@ <u>\$2.00</u>	<u>\$128.00</u>
	@	
TOTAL		<u>\$2,394.00</u>

PLUG & FLOAT EQUIPMENT

<u>40 - Scratchers</u>	@ <u>\$63.00</u>	<u>\$2,600.00</u>
<u>R-100+</u>	@ <u>\$73.00</u>	<u>\$584.00</u>
<u>1- APU Shoe</u>	@ <u>\$350.00</u>	<u>\$350.00</u>
<u>1- DV Tool with 6ft chd</u>	@ <u>\$4,950.00</u>	<u>\$4,950.00</u>
<u>2- 5 1/2 baskets</u>	@ <u>\$315.00</u>	<u>\$630.00</u>
<u>500gal DV-1100</u>	<u>\$1.00</u>	<u>\$500.00</u>
<u>10bbl - KCL</u>	<u>12.50</u>	<u>\$125.00</u>
TOTAL		<u>\$9,739.00</u>

Schippers Oil Field Services, L.L.C.,
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 _____
SIGNATURE [Signature]

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

SCHIPPER'S OIL FIELD SERVICES, L.L.C.

Top Stage
1024

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT:
Russell, KS - Hoxie, MO

DATE 5-27-13	SEC. 21	TWP. 9	RANGE 25	CALLED OUT	ON LOCATION	JOB START 9:45pm	JOB FINISH 10:45pm
LEASE Drilling	WELL#. 6	LOCATION St Peter 5N 1W			COUNTY Graham	STATE KS	
OLD OR <u>NEW</u> (CIRCLE ONE)			1/2 S Winto				

CONTRACTOR W&J Drilling	OWNER
TYPE OF JOB 2 stage	
HOLE SIZE	T.D. 1161
CASING SIZE 5 1/2	DEPTH
TUBING SIZE	DEPTH 1164
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX 1500psi	MINIMUM 100psi
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS	
DISPLACEMENT 54 bbl	
EQUIPMENT	
PUMP TRUCK # P1	CEMENTER HELPER Hogg / Cody
BULK TRUCK # B1	DRIVER Day
BULK TRUCK #	DRIVER

CEMENT AMOUNT ORDERED 450 x 60 / 40.6 % gel		
COMMON 270x	@ \$15.50	\$4,185.00
POZMIX 180x	@ \$8.50	\$1,530.00
GEL 24x	@ \$20.50	\$492.00
CHLORIDE	@	
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING 474x	@ \$2.10	\$995.40
MILEAGE .081x/mile		\$6.58
TOTAL		\$8,365.50

REMARKS:

Dropped dart and circulated for 2hrs
Hooked up and mixed 50 gal mud flush
and 10 bbl KCL - shut down and plugged
RH with 30% - hooked up to 5 1/2 and
mixed 420 x - shut down washed pump
and lines clean - released plug and
54.6 bbl of H2O - plug landed @ 1500psi
released and drilled up - cement did
circulate. Circulated 15 bbl
to pit

CHARGE TO: ROL Investments
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE 2nd stage		\$1,250.00
EXTRA FOOTAGE	@	
MILEAGE	@	
MANIFOLD	@	
	@	
	@	
TOTAL		\$1,250.00

PLUG & FLOAT EQUIPMENT

50 gal mud flush	@ \$1.00	\$500.00
10 bbl KCL	@ \$12.50	\$125.00
	@	
	@	
	@	
TOTAL		\$625.00

Schippers Oil Field Services, L.L.C.,
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 _____
SIGNATURE _____

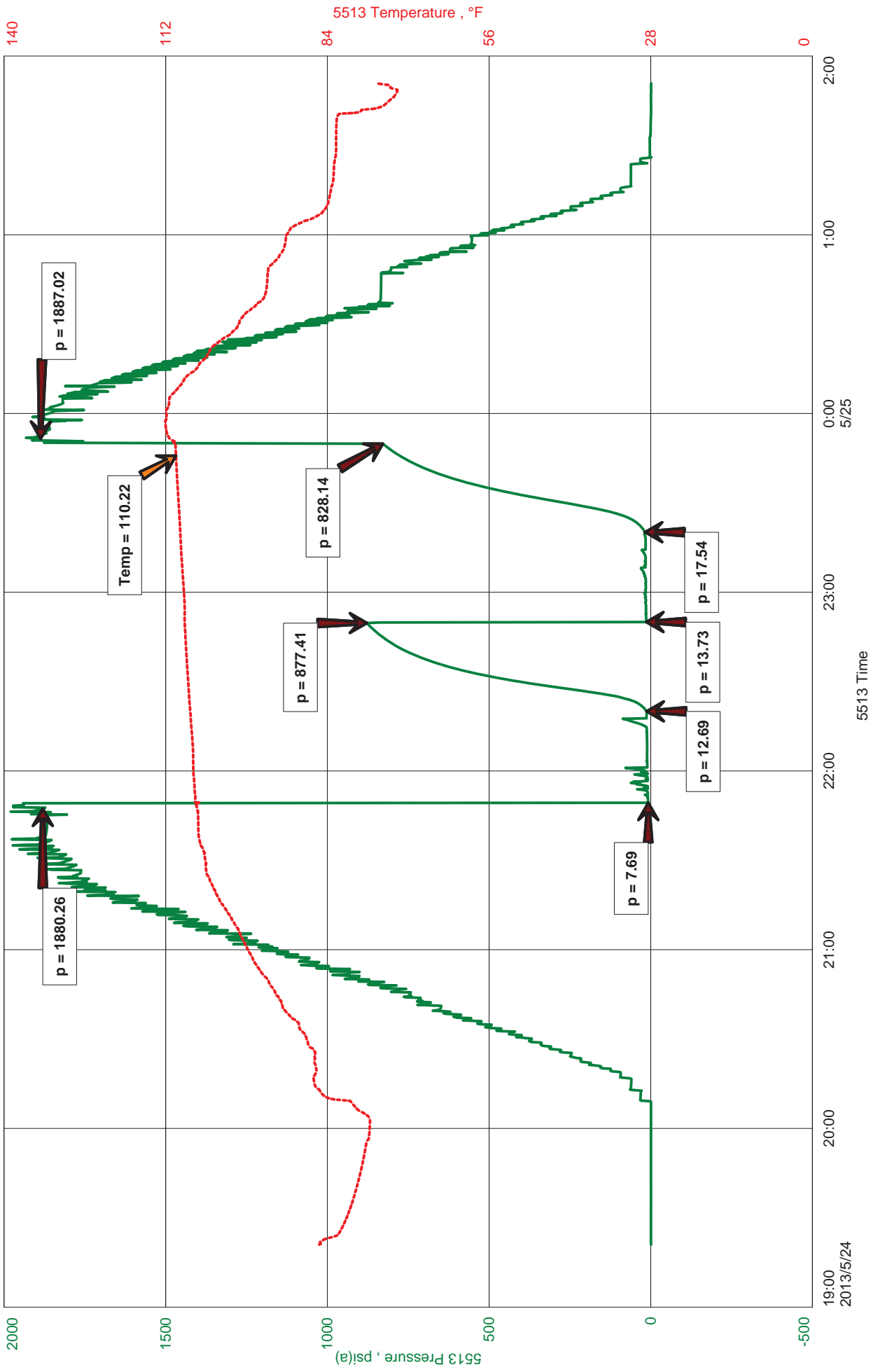
SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS

Total from both tickets
\$26,244.80

RL INVESTMENTS LLC
DST #1 TONTONTO 3,851' - 3,884'
Start Test Date: 2013/05/24
Final Test Date: 2013/05/25

DREILING #6
Formation: DST #1 TONTONTO 3,851' - 3,884'
Job Number: BOO6

DREILING #6



DIAMOND TESTING

ROGER D. FRIEDLY

CELL # 620-793-2043

General Information

Company Name	RL INVESTMENTS LLC	Job Number	BOO6
Contact	RANDALL PFEIFER	Representative	BOB HAMEL
Well Name	DREILING #6	Well Operator	RL INVESTMENTS LLC
Unique Well ID	DST #1 TOTONTO 3,851' - 3,884'	Prepared By	BOB HAMEL
Surface Location	SEC 21-9S-25W GRAHAM CO., KS	Qualified By	RICHARD BELL
Field	EMOR NORTHWEST	Test Unit	NO. 6
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL	Representative	BOB HAMEL
Formation	DST #1 TOTONTO 3,851' - 3,884'	Well Operator	RL INVESTMENTS LLC
Well Fluid Type	01 Oil	Report Date	2013/05/25
Test Purpose (AEUB)	Initial Test	Prepared By	BOB HAMEL
Start Test Date	2013/05/24	Start Test Time	19:21:00
Final Test Date	2013/05/25	Final Test Time	01:51:00

Test Results

RECOVERED: 10' SLTOSM 100%DM FEW OIL SPECKS
10' TOTAL FLUID

TOOL SAMPLE: 2% OIL, 98% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: dreiling6dst1

TIME ON: 19:21 (5-24)
TIME OFF: 01:51 (5-25)

Company RL INVESTMENTS, LLC Lease & Well No. DREILING #6
Contractor WW RIG #6 Charge to RL INVESTMENTS LLC
Elevation 2,613' KB Formation TORONTO Effective Pay _____ Ft. Ticket No. B005
Date 5-24-13 Sec. 21 Twp. _____ 9 S Range _____ 25 W County GRAHAM State KANSAS
Test Approved By RICHARD BELL Diamond Representative BOB HAMEL

Formation Test No. 1 Interval Tested from 3,851 ft. to 3,884 ft. Total Depth 3,884 ft.
Packer Depth 3,846 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,851 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,839 ft. Recorder Number 5513 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3,881 ft. Recorder Number 6249 Cap. 4,950 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 121 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,200 P.P.M. Drill Pipe Length 3,704 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 33 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOW DECREASING TO 1/4" (NObb)
2nd Open: NO BLOW (NObb)

Recovered <u>10</u> ft. of <u>SLTOSM 100% DM FEW OIL SPECKS</u>	
Recovered <u>10</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>2% OIL 98% MUD</u>	Total

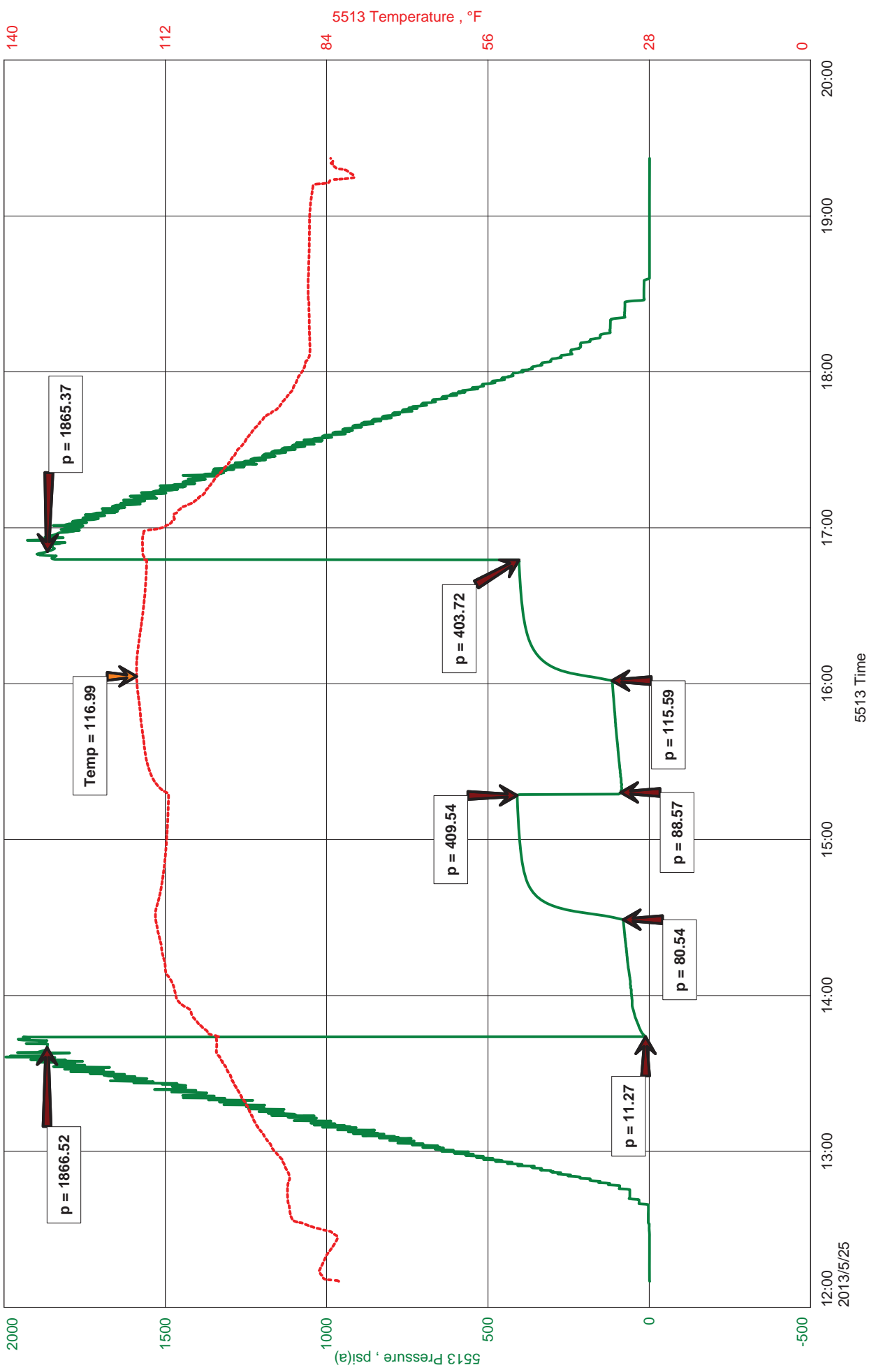
Time Set Packer(s) 9:49 P.M. ^{A.M.} P.M. Time Started Off Bottom 11:49 P.M. ^{A.M.} P.M. Maximum Temperature 110
Initial Hydrostatic Pressure..... (A) 1,880 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 13 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 877 P.S.I.
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 18 P.S.I.
Final Closed In Period..... Minutes 30 (G) 828 P.S.I.
Final Hydrostatic Pressure..... (H) 1,887 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RL INVESTMENT LLC
DST #2 LKC 'C' 3,908' - 3,928'
Start Test Date: 2013/05/25
Final Test Date: 2013/05/25

DREILLING #6
Formation: DST #2 LKC 'C' 3,908' - 3,928'
Job Number: BOO6

DREILLING #6



DIAMOND TESTING

ROGER D. FRIEDLY

CELL # 620-793-2043

General Information

Company Name	RL INVESTMENT LLC	Job Number	BO06
Contact	RANDALL PFEIFER	Representative	BOB HAMEL
Well Name	DREILLING #6	Well Operator	RL INVESTMENT LLC
Unique Well ID	DST #2 LKC 'C' 3,908' - 3,928'	Prepared By	BOB HAMEL
Surface Location	SEC 21-9S-25W GRAHAM CO, KS	Qualified By	RICHARD BELL
Field	EMOR NORTHWEST	Test Unit	NO. 6
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL	Representative	BOB HAMEL
Formation	DST #2 LKC 'C' 3,908' - 3,928'	Well Operator	RL INVESTMENT LLC
Well Fluid Type	01 Oil	Report Date	2013/05/25
Test Purpose (AEUB)	Initial Test	Prepared By	BOB HAMEL

Start Test Date	2013/05/25	Start Test Time	13:44:00
Final Test Date	2013/05/25	Final Test Time	19:22:00

Test Results

RECOVERED:	550'	GAS IN PIPE	
	146'	CLEAN OIL	GRAVITY 29.6 @ 60 deg
	121'	MCGO	31% GAS, 46% OIL, 23% MUD
	267'	TOTAL FLUID	

TOOL SAMPLE: 98% OIL, 1% WTR, 1% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: dreiling6dst2

TIME ON: 12:10
TIME OFF: 19:22

Company RL INVESTMENT LLC Lease & Well No. DREILING #6
Contractor WW RIG #6 Charge to RL INVESTMENT LLC
Elevation 2,613' KB Formation LKC 'C' Effective Pay _____ Ft. Ticket No. B006
Date 5-25-13 Sec. 21 Twp. _____ 9 S Range _____ 25 W County GRAHAM State KANSAS
Test Approved By RICHARD BELL Diamond Representative BOB HAMEL

Formation Test No. 2 Interval Tested from 3,908 ft. to 3,928 ft. Total Depth 3,928 ft.
Packer Depth 3,903 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,908 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,896 ft. Recorder Number 5513 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3,925 ft. Recorder Number 6249 Cap. 4,950 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 61 Drill Collar Length 121 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,000 P.P.M. Drill Pipe Length 3,761 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOW INCREASING TO BOTTOM OF BUCKET IN 18 MIN (Sbbbb)
2nd Open: WEAK 3/4" BLOW INCREASING TO BOTTOM OF BUCKET IN 14 MIN (F 2"bb)

Recovered 550 ft. of GAS IN PIPE
Recovered 146 ft. of CLEAN OIL GRAVITY 29.6 @ 60 deg
Recovered 121 ft. of MCGO 31% GAS, 46% OIL, 23% MUD
Recovered 267 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 98% OIL, 1% WTR, 1% MUD	Total

Time Set Packer(s) 1:43 P.M. A.M. P.M. Time Started Off Bottom 4:43 P.M. A.M. P.M. Maximum Temperature 117

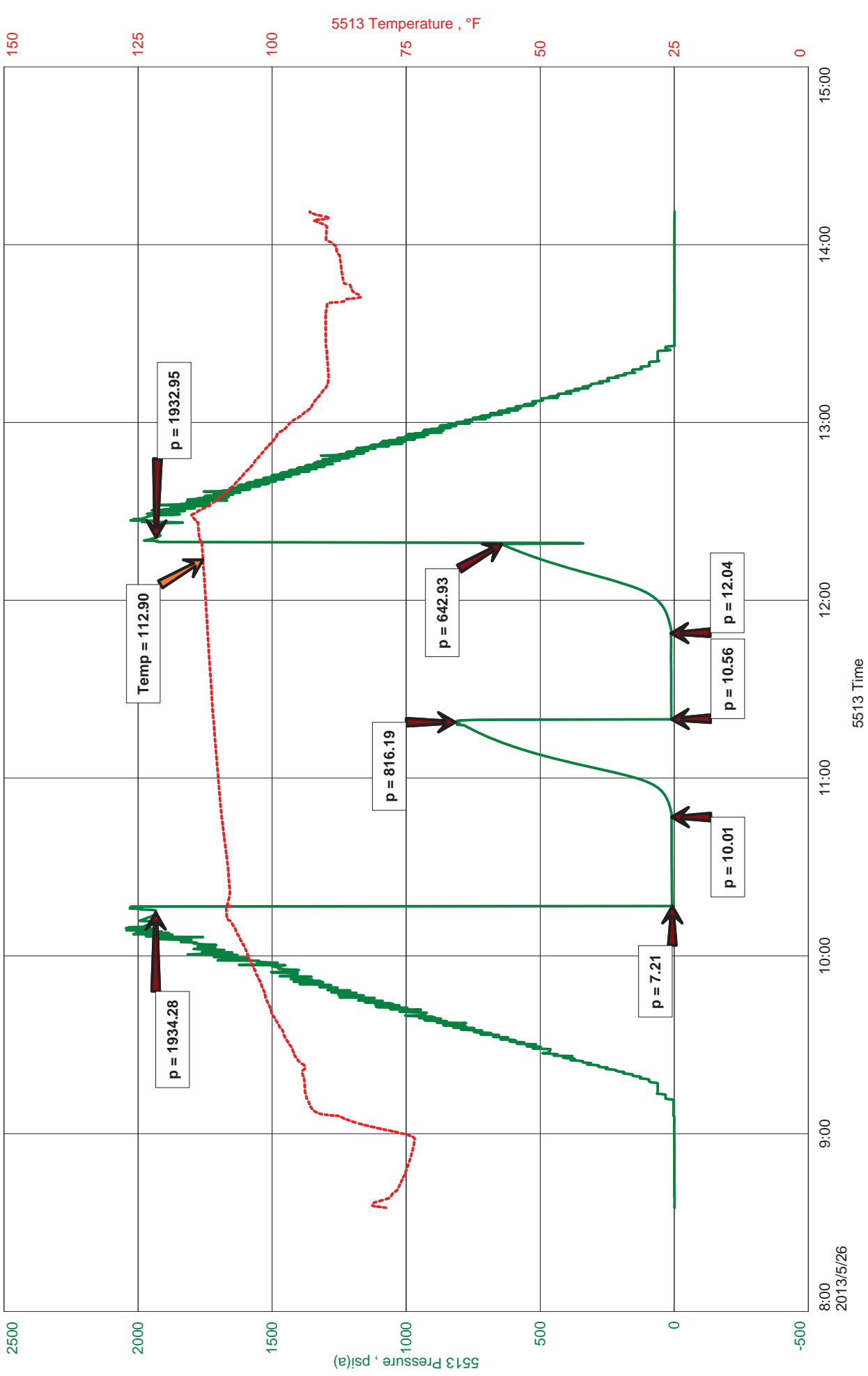
Initial Hydrostatic Pressure..... (A) 1,867 P.S.I.
Initial Flow Period..... Minutes 45 (B) 11 P.S.I. to (C) 81 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 410 P.S.I.
Final Flow Period..... Minutes 45 (E) 89 P.S.I. to (F) 116 P.S.I.
Final Closed In Period..... Minutes 45 (G) 404 P.S.I.
Final Hydrostatic Pressure..... (H) 1,865 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RL INVESTMENT LLC
DST #3 LKC 'H' 4,012' - 4,040'
Start Test Date: 2013/05/26
Final Test Date: 2013/05/26

DREILING #6
Formation: DST #3 LKC 'H' 4,012' - 4,040'
Job Number: B006

DREILING #6



DIAMOND TESTING

ROGER D. FRIEDLY

CELL # 620-793-2043

General Information

Company Name	RL INVESTMENT LLC	Job Number	B006
Contact	RANDALL PFEIFER	Representative	ROBERT HAMEL
Well Name	DREILING #6	Well Operator	RL INVESTMENT LLC
Unique Well ID	DST #3 LKC 'H' 4,012' - 4,040'	Prepared By	BOB HAMEL
Surface Location	SEC 21-9S-25W GRAHAM CO, KS	Qualified By	RICHARD BELL
Field	EMOR NORTHWEST	Test Unit	NO. 6
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL	Representative	ROBERT HAMEL
Formation	DST #3 LKC 'H' 4,012' - 4,040'	Well Operator	RL INVESTMENT LLC
Well Fluid Type	01 Oil	Report Date	2013/05/26
Test Purpose (AEUB)	Initial Test	Prepared By	BOB HAMEL

Start Test Date	2013/05/26	Start Test Time	08:35:00
Final Test Date	2013/05/26	Final Test Time	14:11:00

Test Results

RECOVERED: 15' SLTOCM 1% OIL, 99% MUD
15' TOTAL FLUID

TOOL SAMPLE: 100% DM - FEW OIL SPECKS



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: dreiling6dst3

TIME ON: 08:25
TIME OFF: 14:11

Company RL INVESTMENT LLC Lease & Well No. DREILING #6
Contractor WW RIG #6 Charge to RL INVESTMENT LLC
Elevation 2,613' KB Formation LKC 'H' Effective Pay _____ Ft. Ticket No. B006
Date 5-26-13 Sec. 21 Twp. _____ 9 S Range _____ 25 W County GRAHAM State KANSAS
Test Approved By RICHARD BELL Diamond Representative BOB HAMEL

Formation Test No. 2 Interval Tested from 4,012 ft. to 4,040 ft. Total Depth 4,040 ft.

Packer Depth 4007 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4,012 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4,000 ft. Recorder Number 5513 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4,037 ft. Recorder Number 13386 Cap. 4,950 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 61 Drill Collar Length 121 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,000 P.P.M. Drill Pipe Length 3,865 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 28 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW DECREASING - DIED IN 21 MIN (NObb)

2nd Open: NO BLOW (NObb)

Recovered 15 ft. of SLTOCM 1% OIL, 99% MUD

Recovered 15 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 100% DM FEW OIL SPECKS

Time Set Packer(s) 10:17 A.M. ^{A.M.} P.M. Time Started Off Bottom 12:12 P.M. ^{A.M.} P.M. Maximum Temperature 113

Initial Hydrostatic Pressure..... (A) 1,934 P.S.I.

Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 10 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 816 P.S.I.

Final Flow Period..... Minutes 30 (E) 11 P.S.I. to (F) 12 P.S.I.

Final Closed In Period..... Minutes 30 (G) 643 P.S.I.

Final Hydrostatic Pressure..... (H) 1,932 P.S.I.

Price Job
Other Charges
Insurance
Total

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

A.P.T. # 15-065-23934-0000

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY RL Investment, L.L.C.
 LEASE Dreiling # 6
 FIELD Emor Northwest
 LOCATION 2310' FSL & 785' FEL
 SEC 21 TWSP 9s RGE 25w
 COUNTY Graham STATE Kansas

ELEVATION
 KB 2613'
 DF 2611'
 GL 2608'
 Depths Measured From
 Log KB Drilling KB

CONTRACTOR WWD Drilling Rig # 6
 SPUD 5-20-13 COMP 5-27-13
 SAMPLES SAVED FROM 3600' TO R.T.D.

CASING
 Surface 8 5/8" @
 Production 5 1/2"

ELECTRIC LOGS
Nabers

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
			<u>A-log</u>				
<u>Anhydrite</u>	<u>2259</u>	<u>2259</u>	<u>+ 354</u>	<u>+ 359</u>	<u>+ 355</u>		
<u>Base Anhydrite</u>	<u>2297</u>	<u>2294</u>	<u>+ 319</u>	<u>+ 324</u>	<u>+ 320</u>		
<u>Topeka</u>	<u>3642</u>	<u>3642</u>	<u>-1029</u>	<u>-1020</u>	<u>-1029</u>		
<u>Heebner</u>	<u>3854</u>	<u>3854</u>	<u>-1241</u>	<u>-1233</u>	<u>-1242</u>		
<u>Toronto</u>	<u>3878</u>	<u>3878</u>	<u>-1265</u>	<u>-1257</u>	<u>-1267</u>		
<u>Lansing</u>	<u>3896</u>	<u>3896</u>	<u>-1283</u>	<u>-1275</u>	<u>-1286</u>		
<u>Base Kansas City</u>	<u>4121</u>	<u>4121</u>	<u>-1508</u>	<u>-1497</u>	<u>-1509</u>		
<u>Total Depth</u>	<u>4160</u>	<u>4161</u>	<u>-1548</u>	<u>-1537</u>	<u>-1539</u>		

REFERENCE WELLS

- A RL Investment, LLC. Dreiling #5, 2269' FSL & 1235' FEL Sec. 21-9s-25w
- B RL Investment, LLC. Dreiling #4, N/2-SE-SE Sec. 21-9s-25w
- C
- D

REMARKS

This well ran 3 feet higher to 8 feet lower on the Lansing top than the reference wells. Due to the favorable structural position and other pertinent information it was decided production casing should be cemented to further test the well. The following zones should be tested; 4073'-4075, 3934'-3939' and 3923'-3927'.

Richard R. Ball
5/27/13

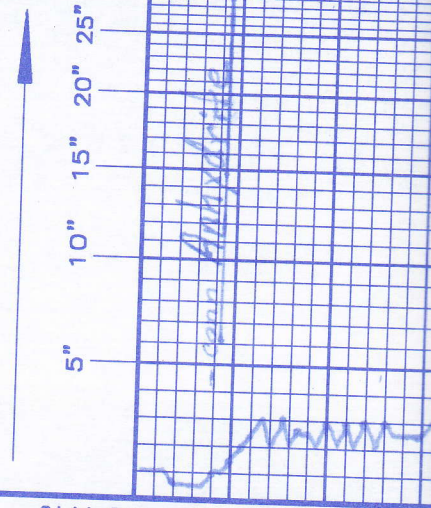
7502

LEGEND

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

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Decreases



LOG 7710

DEPTH

2250

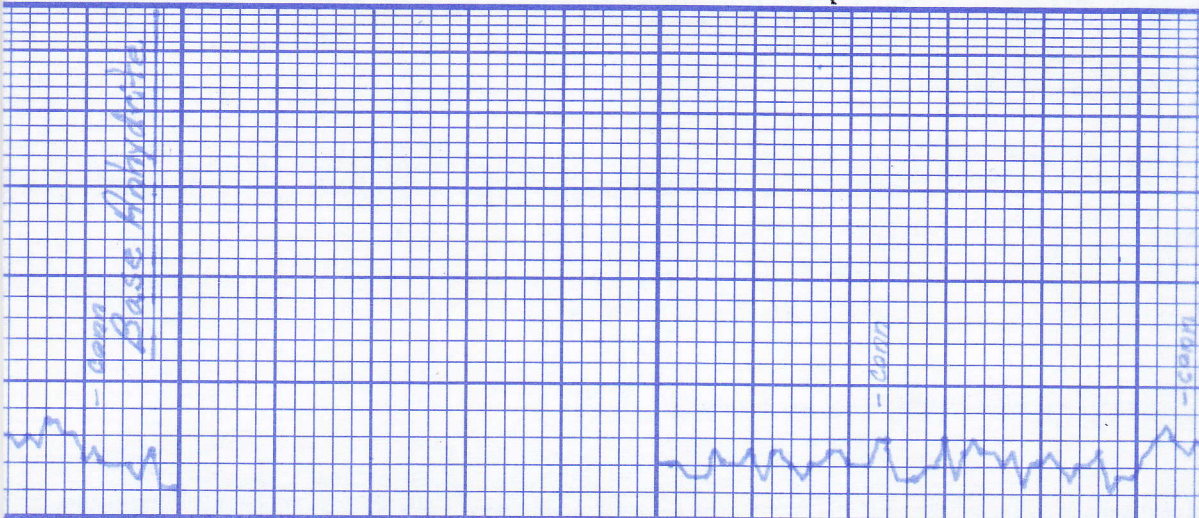
70

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS



90

2300

3550

3600

Base Anhydrite

-0000

-0000

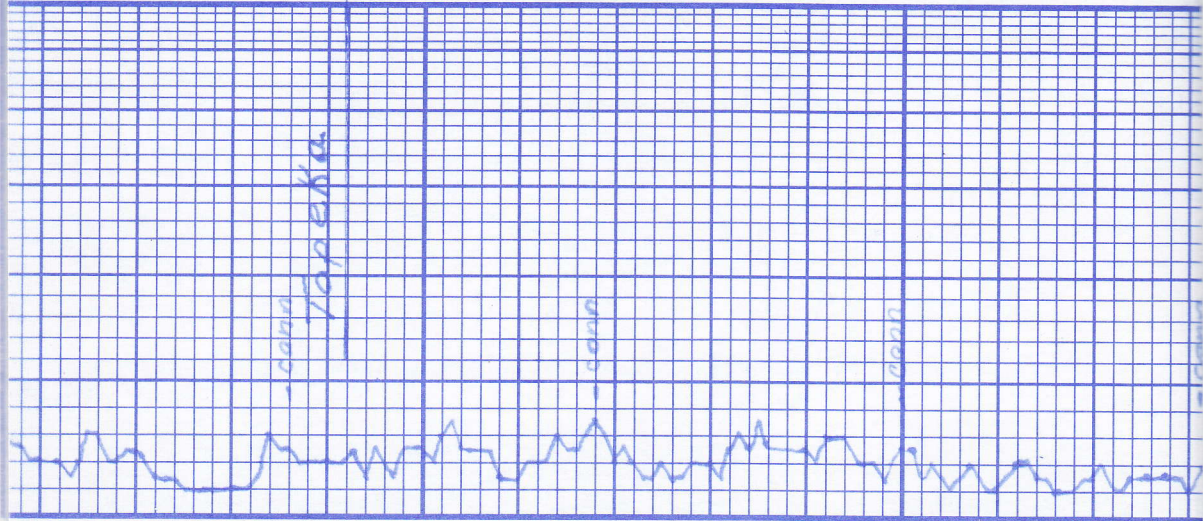
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Samples are lagged
Good Samples

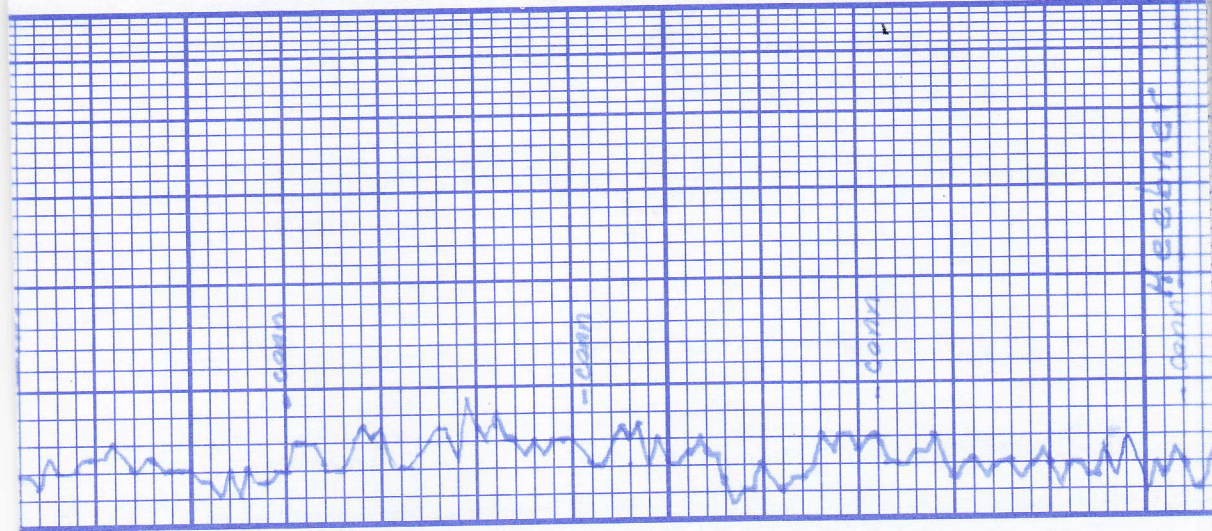
LS:tn-gey fsif dns N.S.O.

LS:wh-tn-gey fsif dns

SS:gr v. fr. ga consol
lagran @ N.S.O.



LS:wh-grx-slxel-fslf das Tr sh: gry, brn		20
LS:whlto-grx-fslf das		
Sh:brn, gry		
LS:wh tr sh: chy-feln ppφ N.S.O.		40
"		
Sh: gry stky		60
LS:wh tr chy-feln-fslf das Tr Δ sub-fslf		
LS:wh tr chy-fslf ppφ N.S.O.		80
Sh:brn stky, gry		
LS:wh tr chy-feln ölöl ppφ N.S.O.		3700
LS:wh tr V. chy-feln ölöl ppφ N.S.O. Δ wh		
V. chy		20



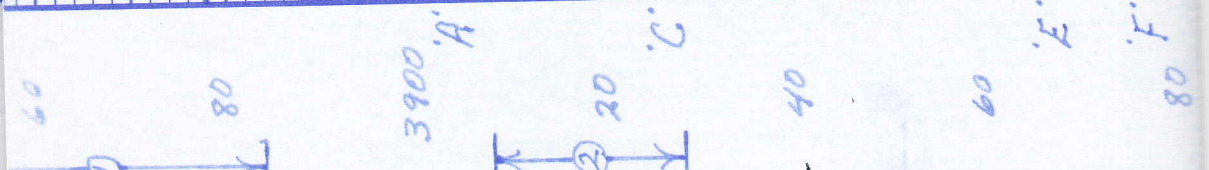
40	cky a.a.
60	sh: blk Carb
80	sh: gry slty
3800	ls: wh-trn-lt. gry cky-feln N.S.O.
20	ls: wh-trn v. cky-feln N.S.O. Tr Δ wh-tr Soft gry sh
40	ls: wh-trn v. cky-feln pp N.S.O.
	ls: wh-trn v. cky-feln pp N.S.O. Δ tr
	aa mostly cky
	incr sh: gry
	ls: wh-trn v. cky-feln sh: blk Carb

Board 3884.87'
 Strap 3884.45'
 Diff. .42'
 Diamond Testing
 DST #1 3851-3884
 30-30-30-30

IF: Weak blow 1/4"
 FF: No blow
 Recovery: 10' M.W.B. spks
 100% M
 Hyd: 1880-1887#
 FP: 8-13/14-18#
 BHP: 877-828#
 BHTemp: 110°F

DST# 2 3908'-3928'
 45-45-45-45
 IF: B.O.B. in 18 min.
 ISI: 1/2" blow
 FF: B.O.B. in 14 min.
 FSI: 2" blow
 Recovery: 550' G.I.F.
 267' Total fluid
 146' C.O. 317.9, 46%
 121' MCGO 23% M
 Hyd: 1867-1865#
 FP: 11-81/89-116#
 BHP: 410-404#
 BHTemp: 117°F.
 Gravity: 29.6° API.

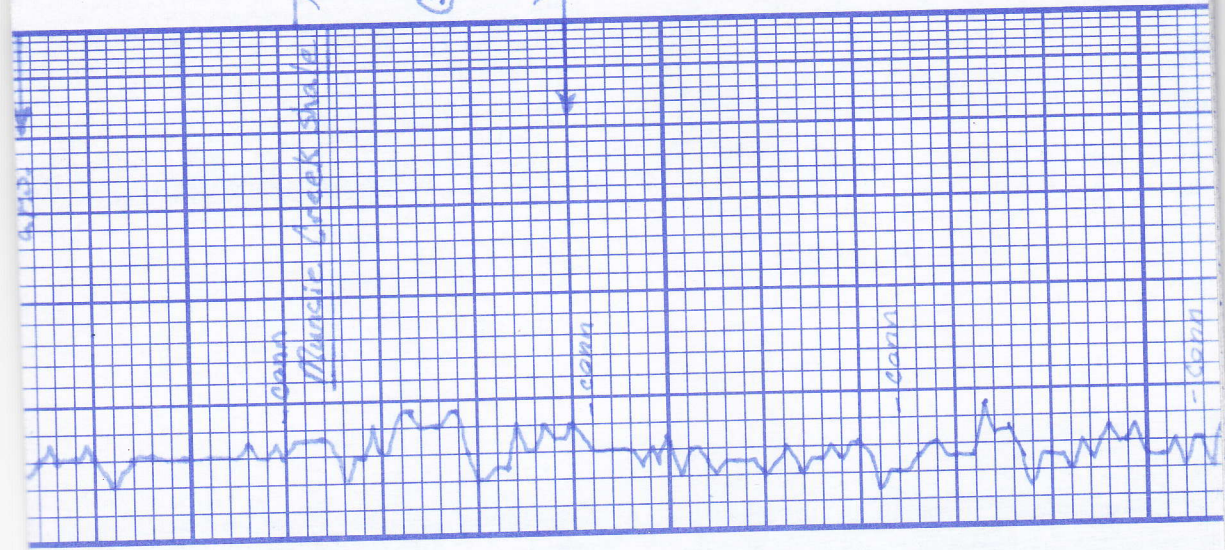
LS: tn fslf das
 sh: gry + gry slty
 sh: gry slty, brn slty
 LS: wh-ta fsln-fslf oil w/
 abund foss inclus. ppφ
 fr. a strn pp fca. fr. odor
 Δ wh-ta
 sh: brn, gry
 LS: wh-ta cky-fsln das
 N.S.O.
 LS: a sh: gry, brn
 LS: wh-ta sl. cky-fsln-fslf
 oil w/abund foss inclus
 in part φ = vgy φ fr. fca
 strn pp fca fr. odor & wh.
 brn
 LS: wh-ta fsln-fslf oil w/
 foss. inclus ppφ - in part φ
 Lt. rainbow S.O. Lt. a strn
 pp fca. on crushing
 LS: wh-ta sl. cky-fsln das
 sh: brn, gry
 LS: tn-gry fsln das N.S.O.
 LS: wh-ta sl. cky-fsln Tr. sl.
 oil fr. ppφ Tr. pp fca
 LS: wh-ta fsln oil ppφ Lt. O
 strn pp fca. on crushing
 fr. odor



Toronto
 G.F.S.
 Lansing
 G.F.S.

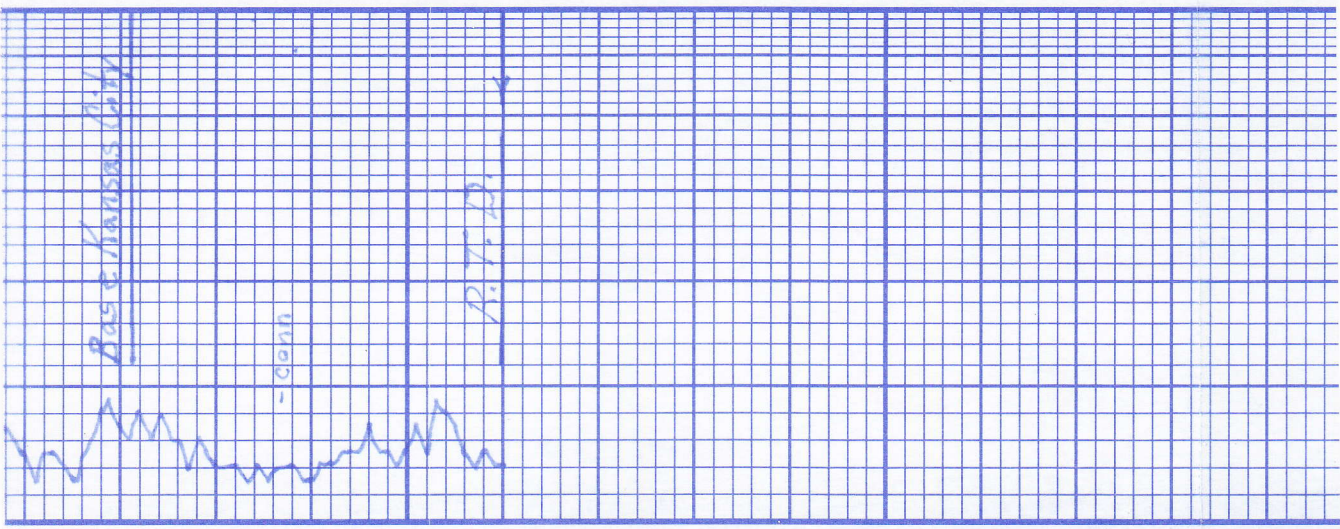
G.F.S.
 G.F.S.

G.F.S.



sh: brn, gry	LS: wh-th sli. cky - fxl n - sli. f. s. Tr. pp φ Tr. ht. sptd 0 stn. N.F.O. No odor
LS: wh. tn. fxl n - sli. suc. N.S.O.	
Sh: blk Carb.	LS: tn - gry f. s. d. s.
sh: brn, gry	LS: wh-th cky - fxl n sli. ööl pp φ - Tr. Vgy φ Tr. pr. ht. sptd 0 stn. N.F.O. No odor Δ wh-th
sh: brn, gry	LS: wh-th fxl n pr. pp φ ht. fr. 0 sat. pp f. o. ft. odor
sh: brn, gry	LS: wh-th fxl n ööl pp φ - Vgy φ pp f. o. Tr. tary 0 stn ft. odor
sh: gry - brn	LS: wh-th cky - fxl n pp φ N.S.O.
	LS: wh-th sli. ööl sli. cky - fxl n

DST# 3 4012' - 4040
 30-30-30-30
 IF: wk blow died in 21 min
 FE: No blow
 Recovery: 15' sli DCM
 1% O, 99% M
 HVA: 1934-1932#
 FP: 7-10/10-12#
 BHP: 816-642#
 BHTemp: 112°F.



20	LS: a	Sh: gry, sky, brn Tr LS: Tr BS/f dns
40	NS: a	Sh: brn, gry Shly SS brn V. fn gn consal ingran d
60	LS: a	Sh: gry, brn

