



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1165037

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

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

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 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 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
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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				

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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	APPLEBEE-SCHLESSIGER CATTLE #3
Doc ID	1165037

Tops

Name	Top	Datum
ANHYDRITE	754	+1098
BASE ANHYDRITE	782	+1070
TOPEKA	2634	-782
HEEBNER SHALE	2914	-1062
TORONTO	2930	-1078
BROWN LIME	3000	-1148
LANSING	3013	-1161
BASE KANSAS CITY	3268	-1416
ARBUCKLE	3285	-1433

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M538
Well Name	APPLEBEE-SCHLESSIGER CATTLE#3	Representative	MIKE COCHRAN
Unique Well ID	DST#1 2911-2945 TORONTO	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.21-15S-12W RUSSELL CO.KS.	Report Date	2013/09/02
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	RANDY KILIAN
		Test Unit	NO. 1

Test Information

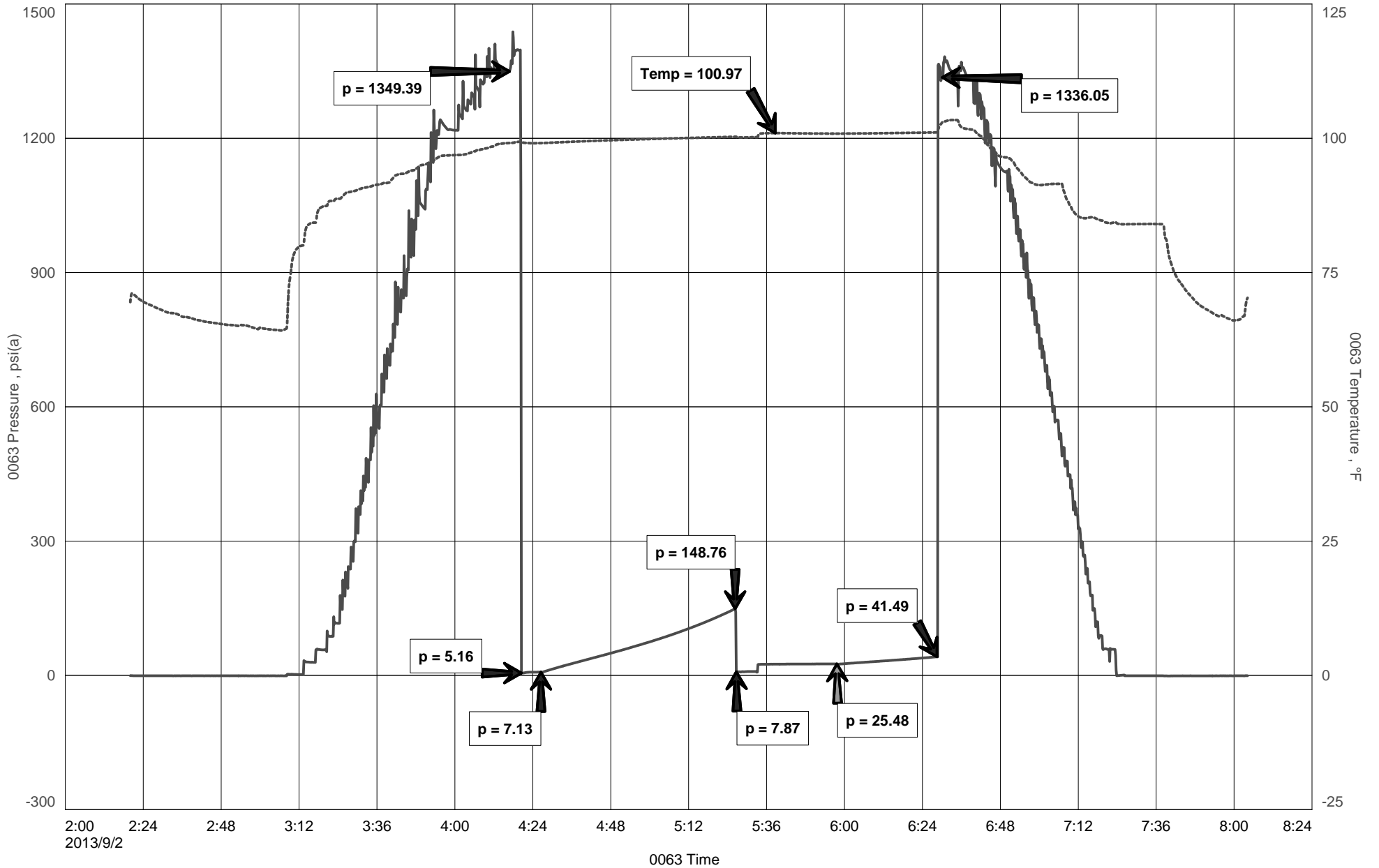
Test Type	CONVENTIONAL		
Formation	DST#1 2911-2945 TORONTO		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/02	Start Test Time	02:20:00
Final Test Date	2013/09/02	Final Test Time	08:05:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
10' DM 100% MUD
10' TOTAL FLUID

TOOL SAMPLE: 100% MUD W/ A FEW OIL SPOTS & SOME GASSY BUBBLES

APPLEBEE-SCHLESSIGER CATTLE#3





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ASC3DST1

TIME ON: 0220
TIME OFF: 0805

Company L.D. DRILLING, INC. Lease & Well No. APPLEBEE-SCHLESSIGER CATTLE#3
Contractor PETROMARK DRILLING, LLC-RIG 2 Charge to L.D. DRILLING, INC.
Elevation 1852 KB Formation TORONTO Effective Pay _____ Ft. Ticket No. M538
Date 9/2/2013 Sec. 21 Twp. 15 S Range 12 W County RUSSELL State KANSAS
Test Approved By RANDY KILIAN Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 2911 ft. to 2945 ft. Total Depth 2945 ft.
Packer Depth 2906 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 2911 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2893 ft. Recorder Number 0063 Cap. 3603 P.S.I.
Bottom Recorder Depth (Outside) 2942 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 53 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1,000 P.P.M. Drill Pipe Length 2759 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SFTY JOINT Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 34 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: A WEAK DIMINISHING SURFACE BLOW (NO BB)
2nd Open: NO BLOW, FLUSH TOOL, A SURGE OF BUBBLES THEN NO BLOW

Recovered <u>10</u> ft. of <u>DM 100% MUD</u>	Price Job Other Charges Insurance Total
Recovered <u>10</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	
TOOL SAMPLE: <u>100% MUD W/ A FEW OIL SPOTS & SOME GASSY BUBBLES</u>	

Time Set Packer(s) 4:25 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 6:30 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 101
Initial Hydrostatic Pressure..... (A) 1349 P.S.I.
Initial Flow Period..... Minutes 5 (B) 5 P.S.I. to (C) 7 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 149 P.S.I.
Final Flow Period..... Minutes 30 (E) 8 P.S.I. to (F) 25 P.S.I.
Final Closed In Period..... Minutes 30 (G) 41 P.S.I.
Final Hydrostatic Pressure..... (H) 1336 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.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ASC3DST2

TIME ON: 1820 (9/2)
TIME OFF: 0135 (9/3)

Company L.D. DRILLING, INC. Lease & Well No. APPLEBEE-SCHLESSIGER CATTLE#3
Contractor PETROMARK DRILLING, LLC-RIG 2 Charge to L.D. DRILLING, INC.
Elevation 1852 KB Formation LKC A-C Effective Pay _____ Ft. Ticket No. M539
Date 9/3/2013 Sec. 21 Twp. 15 S Range 12 W County RUSSELL State KANSAS
Test Approved By RANDY KILIAN Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3007 ft. to 3075 ft. Total Depth 3075 ft.
Packer Depth 3002 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 3007 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2989 ft. Recorder Number 0063 Cap. 3603 P.S.I.
Bottom Recorder Depth (Outside) 3072 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 56 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 2855 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SFTY JOINT Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 68 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: SSB, 1" RIGHT AWAY INC. TO 7 1/2" (NO BB)
2nd Open: SSB, BOB 27 MIN, AFTER 50 MIN DIMINISHING TO 10 1/2" @ SHUT IN (NO BB)

Recovered 240 ft. of GIP
Recovered 70 ft. of GM 1% GAS, 99% MUD W/ A VERY THIN SCUM OF OIL
Recovered 70 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
TOOL SAMPLE: <u>1% GAS, 99% MUD W/ A THICK SCUM OF OIL</u>	Total

Time Set Packer(s) 8:00 P.M. ^{A.M.} P.M. Time Started Off Bottom 11:35 P.M. ^{A.M.} P.M. Maximum Temperature 103

Initial Hydrostatic Pressure..... (A) 1403 P.S.I.
Initial Flow Period..... Minutes 5 (B) 15 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 662 P.S.I.
Final Flow Period..... Minutes 60 (E) 23 P.S.I. to (F) 49 P.S.I.
Final Closed In Period..... Minutes 90 (G) 618 P.S.I.
Final Hydrostatic Pressure..... (H) 1400 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.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M539
Well Name	APPLEBEE-SCHLESSIGER CATTLE#3	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3007-3075 LKC A-C	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.21-15S-12W RUSSELL CO.KS.	Report Date	2013/09/02
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	RANDY KILLIAN
		Test Unit	NO. 1

Test Information

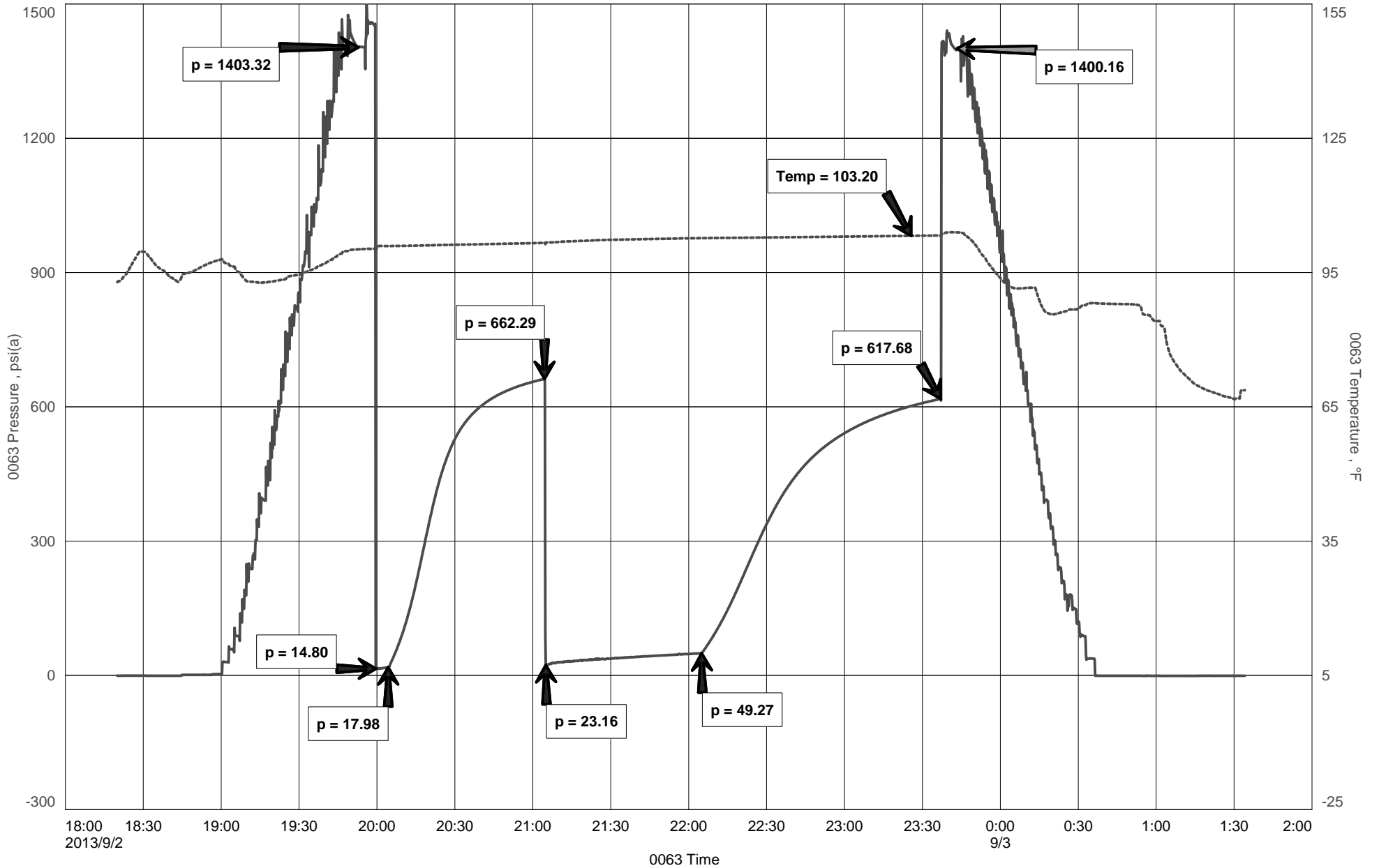
Test Type	CONVENTIONAL		
Formation	DST#2 3007-3075 LKC A-C		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/02	Start Test Time	18:20:00
Final Test Date	2013/09/02	Final Test Time	01:35:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
240' GIP
70' GM 1% GAS, 99% MUD W/ A VERY THIN SCUM OF OIL
70' TOTAL FLUID

TOOL SAMPLE: 1% GAS, 99% MUD W/ A THICK SCUM OF OIL

APPLEBEE-SCHLESSIGER CATTLE#3



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M540
Well Name	APPLEBEE-SCHLESSIGER CATTLE#3	Representative	MIKE COCHRAN
Unique Well ID	DST#3 3110-3210 LKC G-J	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.21-15S-12W RUSSELL CO.KS.	Report Date	2013/09/03
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	RANDY KILLIAN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 3110-3210 LKC G-J		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/03	Start Test Time	14:05:00
Final Test Date	2013/09/03	Final Test Time	21:15:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

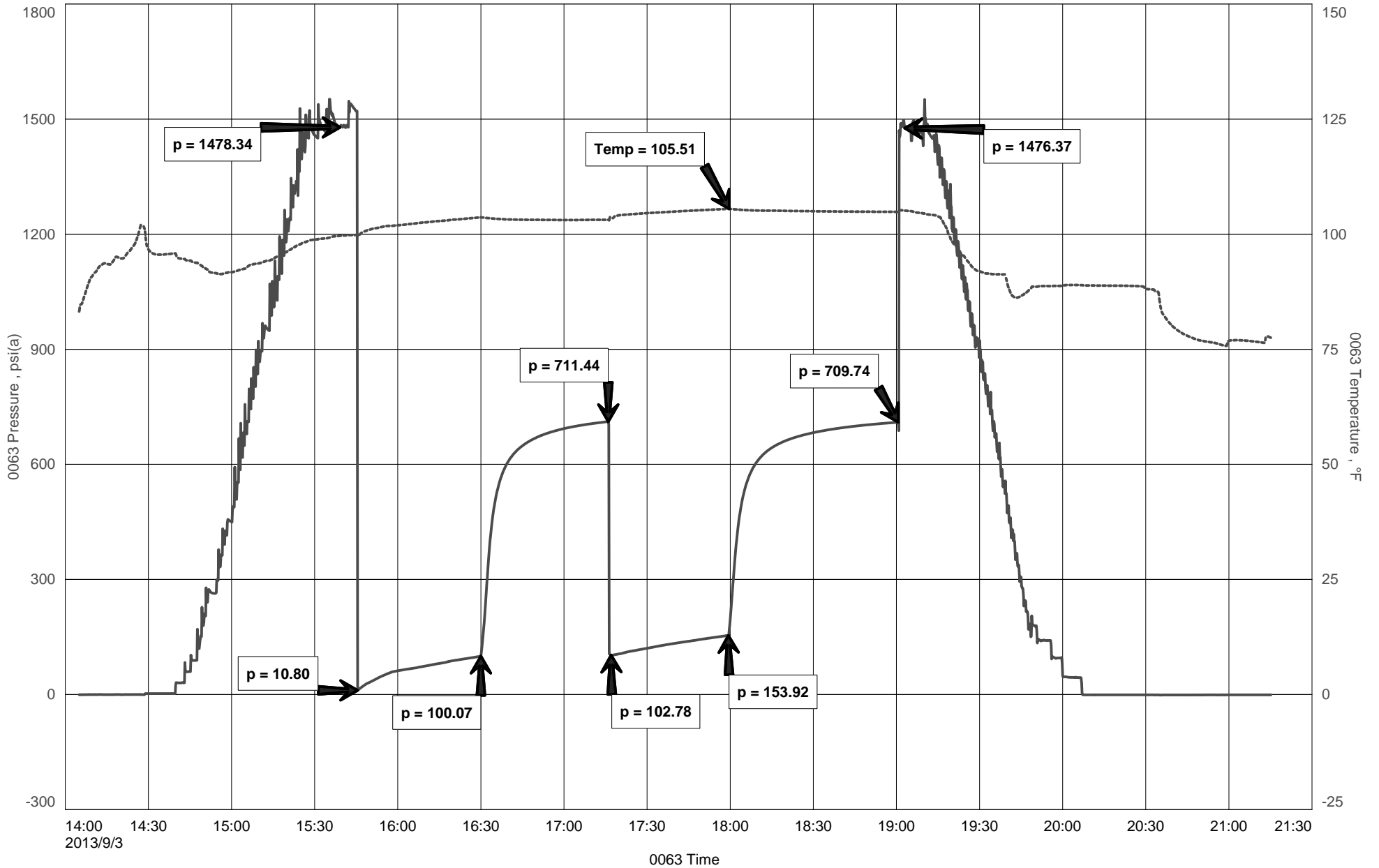
Test Results

Remarks RECOVERED:
495' GIP
80' GHOCWM 10% GAS, 25% OIL, 15% WTR, 50% MUD
245' GSOSMW 1% GAS, 90% WTR, 9% MUD W/ A SCUM OF OIL (125' DP,120'DC)
325' TOTAL FLUID

CHLOR: 42,000 PPM
PH:7.0
RW: .30 @ 74 DEG

TOOL SAMPLE: 1% GAS, 98% WTR, 1% MUD W/ A FEW SPECKS OF WTR

APPLEBEE-SCHLESSIGER CATTLE#3





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ASC3DST3

TIME ON: 1405
TIME OFF: 2115

Company L.D. DRILLING, INC. Lease & Well No. APPLEBEE-SCHLESSIGER CATTLE#3
Contractor PETROMARK DRILLING, LLC-RIG 2 Charge to L.D. DRILLING, INC.
Elevation 1852 KB Formation LKC G-J Effective Pay _____ Ft. Ticket No. M540
Date 9/3/2013 Sec. 21 Twp. 15 S Range 12 W County RUSSELL State KANSAS
Test Approved By RANDY KILIAN Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 3110 ft. to 3210 ft. Total Depth 3210 ft.
Packer Depth 3105 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 3110 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3092 ft. Recorder Number 0063 Cap. 3603 P.S.I.
Bottom Recorder Depth (Outside) 3207 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 54 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 2958 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SFTY JOINT Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 100 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: SSB, BOB 15 1/2 MIN (1" BB)
2nd Open: SSB, BOB 10 MIN (3 1/2" BB)

Recovered 495 ft. of GIP
Recovered 80 ft. of GHOCWM 10% GAS, 25% OIL, 15% WTR, 50% MUD
Recovered 245 ft. of GSOSMW 1% GAS, 90% WTR, 9% MUD W/ A SCUM OF OIL (125' DP, 120'DC)
Recovered 325 ft. of TOTAL FLUID

Recovered _____ ft. of <u>CHLOR: 42,000 PPM</u>	Price Job
Recovered _____ ft. of <u>RW: .30 @ 74 DEG</u>	Other Charges
Remarks: <u>PH: 7.0</u>	Insurance
<u>TOOL SAMPLE: 1% GAS, 98% WTR, 1% MUD W/ A FEW SPECKS OF WTR</u>	Total

Time Set Packer(s) 3:45 P.M. ^{A.M.} P.M. Time Started Off Bottom 7:00 P.M. ^{A.M.} P.M. Maximum Temperature 106

Initial Hydrostatic Pressure..... (A) 1478 P.S.I.
Initial Flow Period..... Minutes 45 (B) 11 P.S.I. to (C) 100 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 711 P.S.I.
Final Flow Period..... Minutes 45 (E) 103 P.S.I. to (F) 154 P.S.I.
Final Closed In Period..... Minutes 60 (G) 710 P.S.I.
Final Hydrostatic Pressure..... (H) 1476 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.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M541
Well Name	APPLEBEE-SCHLESSIGER CATTLE#3	Representative	MIKE COCHRAN
Unique Well ID	DST#4 3256-3280 ARBUCKLE	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.21-15S-12W RUSSELL CO.KS.	Report Date	2013/09/04
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	RANDY KILLIAN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 3256-3280 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/04	Start Test Time	05:40:00
Final Test Date	2013/09/04	Final Test Time	10:25:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
 <1' CO 100% OIL
 <1' OCDM
 ~1' TOTAL FLUID

ESTIMATED GRAVITY: ~36

CHLOR: 6,000 PPM

TOOL SAMPLE: 3% OIL, 6% WTR, 91% MUD



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: ASC3DST4

TIME ON: 0540
 TIME OFF: 1025

Company L.D. DRILLING, INC. Lease & Well No. APPLEBEE-SCHLESSIGER CATTLE#3
 Contractor PETROMARK DRILLING, LLC-RIG 2 Charge to L.D. DRILLING, INC.
 Elevation 1852 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. M541
 Date 9/4/2013 Sec. 21 Twp. 15 S Range 12 W County RUSSELL State KANSAS
 Test Approved By RANDY KILIAN Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 3256 ft. to 3280 ft. Total Depth 3280 ft.
 Packer Depth 3251 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
 Packer Depth 3256 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3238 ft. Recorder Number 0063 Cap. 3603 P.S.I.
 Bottom Recorder Depth (Outside) 3277 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 54 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 5,000 P.P.M. Drill Pipe Length 3104 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number SFTY JOINT Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 24 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: A WSB DIMINISHING UNTIL DEAD @ SHUT IN (NO BB)
 2nd Open: A BUBBLE ON TOOL OPEN THEN NO BLOW (NO BB)

Recovered <1 ft. of CO 100% OIL EST. ~36 GRAVITY
 Recovered <1 ft. of OCDM
 Recovered ~1 ft. of TOTAL FLUID

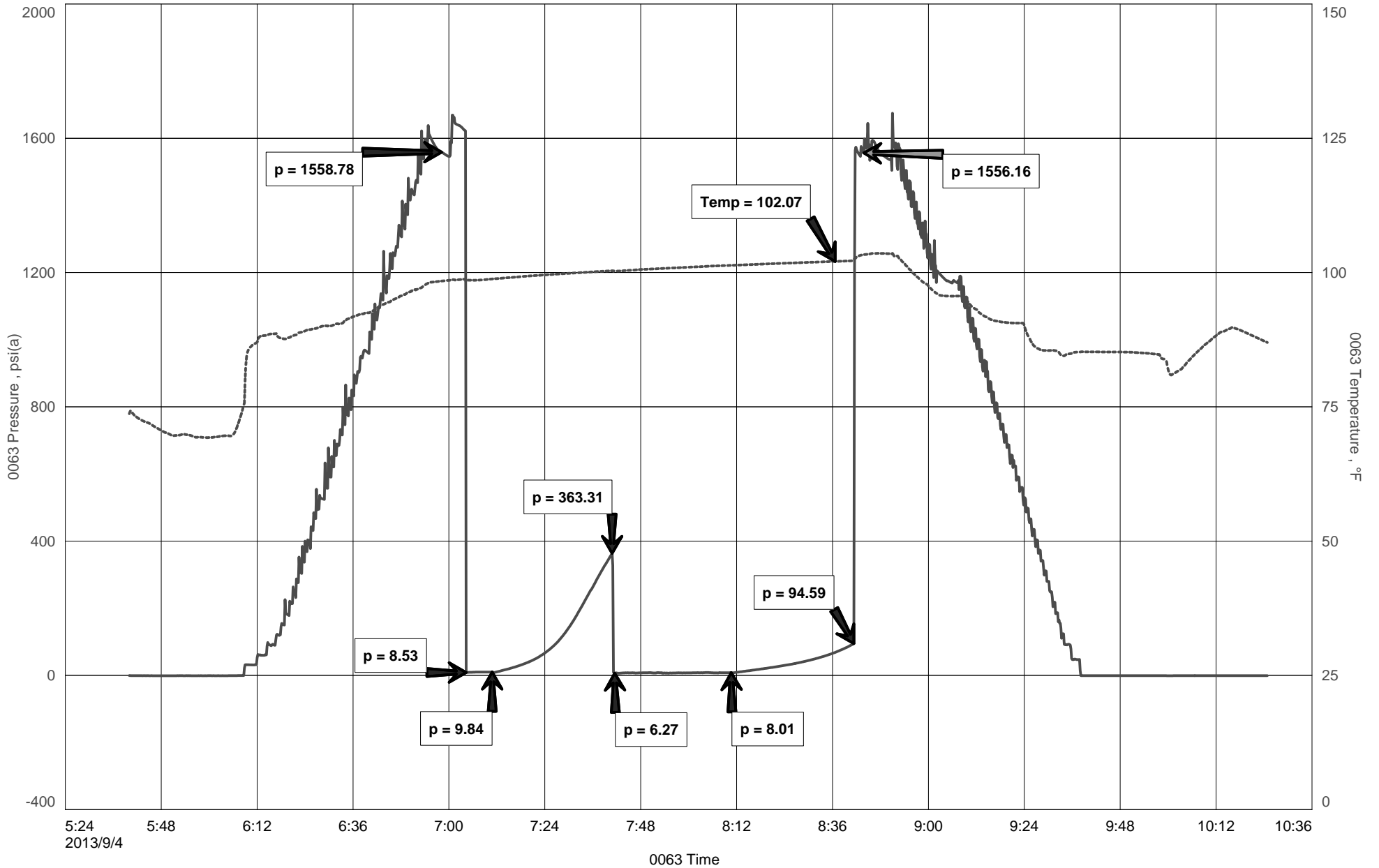
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>CHLOR:6,000 PPM</u>	Other Charges
Remarks: _____	Insurance
<u>TOOL SAMPLE:3% OIL, 6% WTR, 91% MUD</u>	Total

Time Set Packer(s) 7:05 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 8:40 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 102

Initial Hydrostatic Pressure..... (A) 1559 P.S.I.
 Initial Flow Period..... Minutes 5 (B) 9 P.S.I. to (C) 10 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 363 P.S.I.
 Final Flow Period..... Minutes 30 (E) 6 P.S.I. to (F) 8 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 95 P.S.I.
 Final Hydrostatic Pressure..... (H) 1556 P.S.I.

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APPLEBEE-SCHLESSIGER CATTLE#3



Randall Kilian Corporation
Geologist



**Certified Petroleum
Geologist #3351
License #224**

P.O. Box 26
Hays, Kansas 67601-0026
Phone: 785-628-6061
Cell: 785-635-1349

GEOLOGIST'S WELL REPORT

COMPANY LD DRILLING, INC. (6039)

WELL Applebee-Schlessinger Cattle #3

FIELD Hall-Gurney

LOCATION (legal) Ap. NE NW SW NE

(1500' FNL & 2040' FEL)
Section 21 TWP 15S RGE 12W

(Map) 7 mi N of Beaver, Ks.

COUNTY Russell STATE Kansas

ELEVATION: 1852' K.B., 1847' G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-167-23894

GEOLOGY BY Randall Kilian

PERTINENT WELL DATA

CONTRACTOR Petromark Drilling, LLC (33323)

RIG #2 HYDRAULICS D-375 6x14x60
(Jim Mickle TP)

DRILL PIPE 4 1/2" X-H COLLARS 6 1/2" 14 (456')

CASING: SURFACE 8 5/8" @ 377' w/ 275 sx 60/40 Poz

PRODUCTION 5 1/2" @ 3370' w/ 150 sx Common

DRILLING FLUID: COMPANY Andy's Mud & Chemical Co.

(Dennis Rector)
TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY Diamond Testing

(Mike Cochran)
NUMBER OF TESTS Four (4)

ELECTIC LOGS: COMPANY Nabors Services Co.

DETAIL (5") 2600' - RTD

TYPE DI, Comp N-D, Micro

DRILLING TIME FROM 2600' TO RTD

SAMPLE TIME FROM 2600' TO RTD

SUPERVISION FROM 2600' TO RTD

VERTICAL DEVIATION 3/4" @ 387', 3/4" @ 2945',
3/4" @ 3375'

PLUGGING REPORT 30 sx Rat

RESERVE PIT 600 bbls., Chl. 81,000 Ga. 880

DAILY REPORT

DATE: 7 a.m. Depth RIG ACTIVITY

8-29-13 MIRH. Spu

8-30-13 387' WOC

8-31-13 1527' Drilling

9-01-13 2521' Drilling

9-02-13 2945' DST #1 TC

9-03-13 3145' Drilling

9-04-13 3280' DST #A

9-05-13 3375' TD, Logge

DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	Toronto 2911- 2945'	5# 7# 5"	149# 60"	8# 25# 30"	41# 30"	1349# 1336#	10' Mud
2	LKc A-C 3007- 3075'	15# 18# 5"	662# 60"	23# 49# 60"	618# 90"	1403# 1400#	240' GIP 70' G,Mud w/ s.o.
3	LKc G-J 3110- 3210'	11# 100# 45"	711# 45"	103# 154# 45"	710# 60"	1478# 1476#	495' GIP 80' G,H,O,C,W,Mud 245' G.Sl.O.C.M.Wtr
4	3238- 3280'	9# 10# 5"	363# 30"	6# 8# 30"	95# 30"	1559# 1556#	1' Oil 36° 1' O,C,Mud
5							
6							
7							
8							

MUD RECORD											
CHK	DEPTH	WT	VIS	FIL	CHL	YP					
1	2530'										
2	2536'	8.6	64	8.8	1k	20					
3	2775'	8.8	52								
4	2980'	8.9	54								
5	3009'	9.0	56	8.8	5k	25					
6	3130'	9.0	54								
7	3155'	9.1	54	9.2	5k	21					
8	3280'	9.4	54	10.4	7k	25					
9	3340'	9.1	51								
10											
11											

Displaced

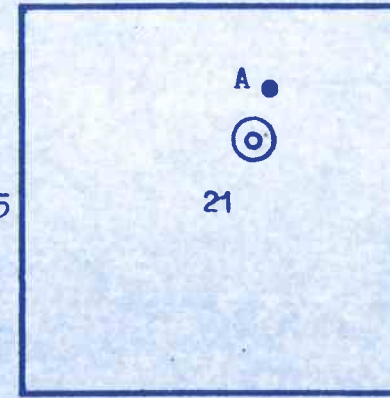
\$5851.
add hulls

BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH-OUT	FEET	HOURS
1	12 1/4"	JZ	RR	387'	387'	4 1/2
2	7 7/8"	BTCO.	Gx20C	3375'	2988'	68
3						
4						
5						
6						
7						

FORMATION TOPS & STRUCTURAL GEOLOGY

R 12 W



REFERRED TO:
 A: LD DRILLING, INC.
 B: SCHLESSIGER Cattle Co. #1 SE NW NE
 C:
 D:
 E:

STRATIGRAPHIC MARKERS	SUBJECT WELL			STRUCTURAL POSITION				
	SAMPLE	E. LOG	DATUM	A	B	C	D	E
Anhydrite	754'	754'	+1098	+1100				
Base	782'	782'	+1070	+1072				
Topeka	2634'	2634'	- 782	- 777				
Heeb. Sh.	2913'	2914'	-1062	-1057				
Toronto	2930'	2930'	-1078	-1074				
Brown Im.	3000'	3000'	-1148	-1145				
Lansing	3013'	3013'	-1161	-1157				
BKc.	3270'	3268'	-1416	-1408				
Arbuckle	3285'	3285'	-1433	-1425				
TD	3375'	3375'	-1523	-1492				

Pipe strap 1.41' short.

*Structural position of subject well as compared to referred well.

The Applebee-Schlessig
with Petromark Drilling
29, 2013 and drilling

The development well
seismic survey.

The well ran 2-8' low
but 7-21' high to near
encountered in several
with mixed results on
was over a 5' dolomite

The upper Arbuckle was
nearby producers. The
remaining if not depleted
producers.

Recommended perms: Ar
G

Respectfully,

Randall Kilian
Randall Kilian

SUMMARY

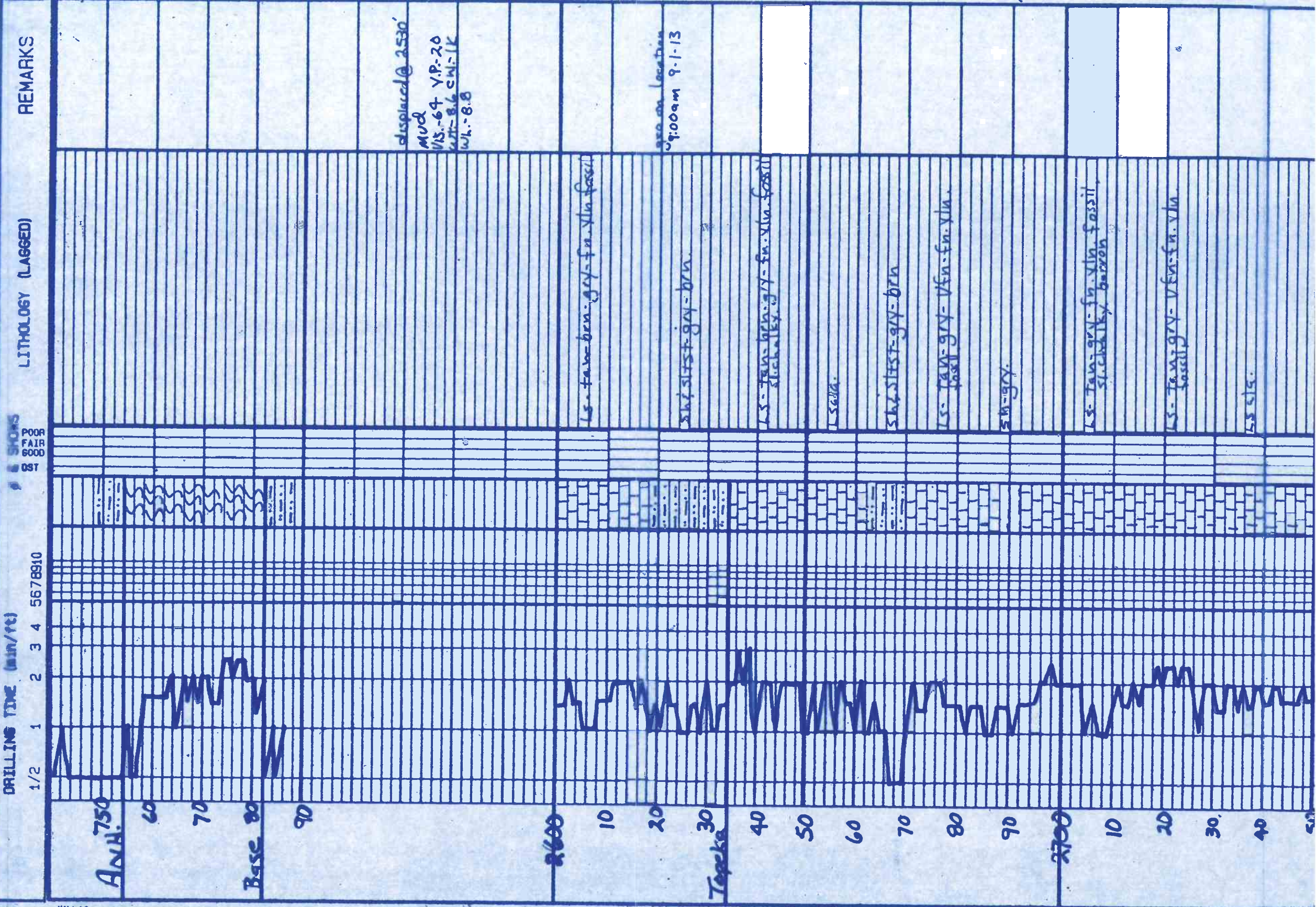
Per Cattle #3 well was drilled using tools rig #2 beginning August 2013 and was completed September 5, 2013.

Site was located via a 3-D

structurally to the #1 well nearby wells. Oil shows were present in zones. Three DST's were run over the Toronto and LKc DST #4 and #5 which was also negative.

is 8' low to #1 but higher than #2 therefore oil reserves may be affected by nearby abandoned

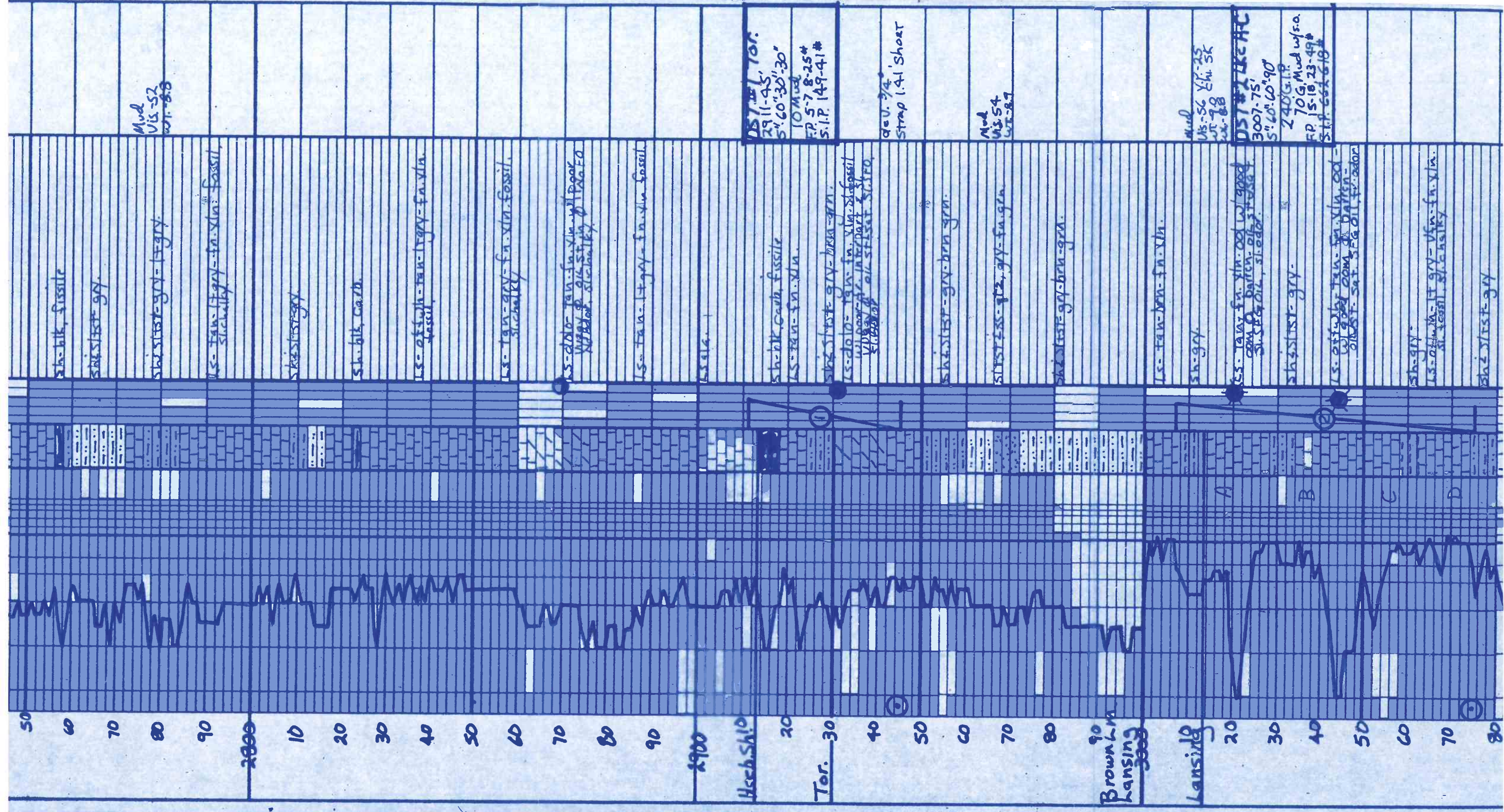
3292-93', LKc H 3154-56', C 3106-08', C 3041-43'



POOR
FAIR
6000
DST

DRILLING TIME (min/ft)
1/2 1 2 3 4 5678910

Ann. 750
60
70
Base 80
90
2600
10
20
30
Top of 30
40
50
60
70
80
90
2700
10
20
30
40
50



LS- offwh- tan- fn. xln. oil w/ fr. good amount of barite. silty chalky

sh- dark gray

LS- offwh- tan- fn. xln. oil w/ fr. good amount of barite. silty chalky

LS- tan- fn. xln. oil w/ fr. good amount of barite. silty chalky

sh- dark gray- blk.

sh- silty- gray- green- brown- soft

LS- tan- fn. xln. oil w/ barite. silty chalky. oil w/ fr. good amount of barite. silty chalky

sh- silty- gray- brown.

LS- offwh- tan- fn. xln. fossiliferous. silty chalky

sh- gray- brown.

LS- offwh- tan- fn. xln. oil w/ fr. good amount of barite. silty chalky

LS- tan- gray- Vfn- fn. xln.

sh- blk. fissile

sh- silty- gray- brown- green.

LS- tan- brown- lt gray- fn. xln. oil w/ fr. good amount of barite. silty chalky

sh- blk. crin.

sh- silty- gray- brown.

LS- tan- gray- fn. xln. fossiliferous. silty chalky

sh- silty- gray- brown- green. sandy

DD- brown- tan- xln. oil w/ fr. good amount of barite. silty chalky

sh- lt gray- lt green- green- waxy.

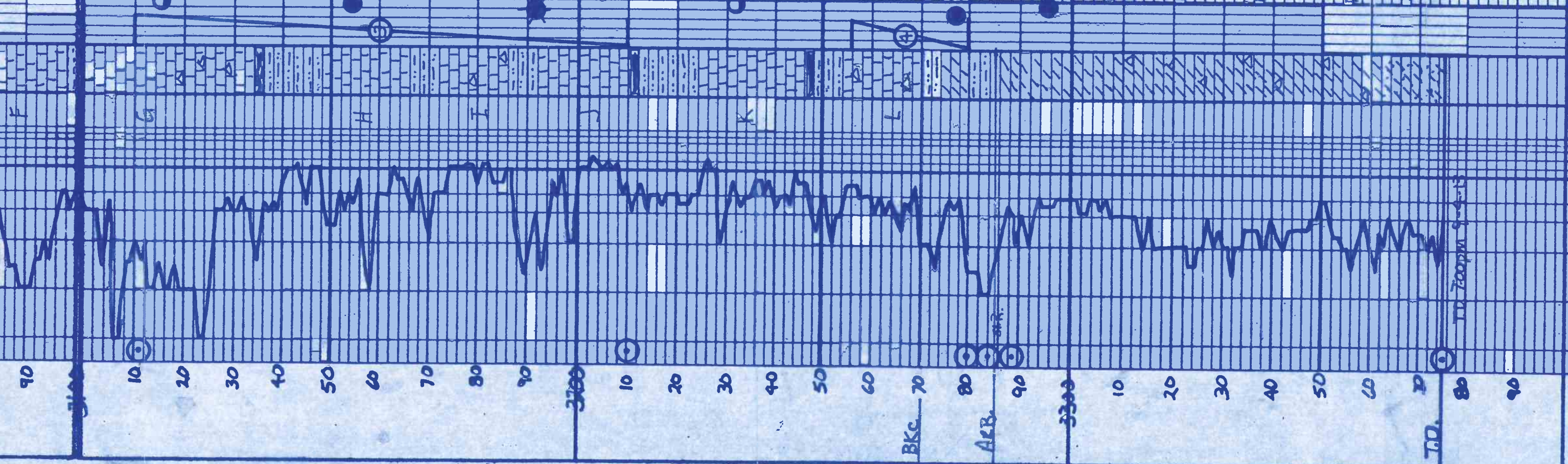
DD- offwh- lt gray- med- coarse xln. oil w/ fr. good amount of barite. silty chalky

DD- a/a

DD- offwh- lt gray- med- coarse xln. oil w/ fr. good amount of barite. silty chalky

DD- a/a

DD- offwh- sandy- gray- clear green



Mud
Vis-54
wt-9.0

Mud
Vis-54
wt-9.1
cni-5K

DST #32K6GJ
3110-3210
15" 45" 45" 60"
4.95 G.I.P.
80 G. H.O.C. w/ Mud
2.45 G. S.I.O.C.M. w/ Fr.
Fr. 11 100 100 154 R
S.I.P. 711-710W

DST #4
3256-80
5' 30' 30' 30"
1.0 G. Mud
Fr. 9-10, 6-8"
S.I.P. 363-95#

Mud
Vis-54
wt-9.4
cni-7K

Mud
Vis-51
wt-9.1
add holls.





BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 08763 A

DATE _____ TICKET NO. _____

DATE OF JOB 8-30-13 DISTRICT Pratt				NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER LD Drilling				LEASE Applebee Schleissiger CATTAL WELL NO. 3						
ADDRESS				COUNTY Russell		STATE KS				
CITY STATE				SERVICE CREW MATTAI, KUNNY, PIERSON						
AUTHORIZED BY				JOB TYPE: CNW SR						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
37216	.5						8-30-13			3:30
						ARRIVED AT JOB				6:45
27463	.5					START OPERATION				7:36
						FINISH OPERATION				8:10
19826/19860	.5					RELEASED				8:45
						MILES FROM STATION TO WELL				80

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: X Jim Mill
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP107	60/40 POZ	SBS	275		3,300 00
CC102	CELLORIAK	LB	69		255 30
CC109	CALCIUM CHLORIDE	LB	711		746 55
CF153	WOODEN CRT PHS 8 5/8	EA	1		160 00
E100	P. U. Mile Age	MI	80		340 00
E101	HEAVY EQ. Mile Age	MI	160		1120 00
E113	PROP + BULK DEL 700 Mile	TM	948		1516 80
CE200	DEPTN CHARGE 0-500'	440	1		1000 00
CE240	Blend + Mix Charge	SBS	275		385 00
CE504	Plug container utilization Charge	JOB	1		250 00
S203	Selrite SUPERVISOR	ea	1		175 00
SUB TOTAL					6,936 49

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE Mike Mattai	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>X Jim Mill</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
---	--

FIELD SERVICE ORDER NO. _____

Customer LP Drilling	Lease No.	Date 8-30-13
Lease An Arbor Schlessiger CATTLE	Well # 3	
Field Order # 8763	Station Pratt	Casing 8 5/8
		Depth 377.80
Type Job CON S.P.	Formation	County Russell
		State KS
		Legal Description 21-15-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 275	60/40 POZ	RATE 350 CC	PRESS 144 CF	ISIP
Depth 377.80	Depth	From	To	Pre Pad		Max		5 Min.
Volume 241	Volume	From	To	Pad		Min		10 Min.
Max Press 300	Max Press	From	To	Frac		Avg		15 Min.
Well Connection PC	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 357.80	Packer Depth	From	To	Flush 23		Gas Volume		Total Load

Customer Representative Jim	Station Manager Kevin Gaudin	Treater Mike Marral
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Service Units 37216	27463	19826	19860					
Driver Names Marral	Young	Pitman						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:45 AM					ON LOCATION / Safety Meeting
7:20					CASING ON BOTTOM
7:30					Hook up to casing / Run in w. Rig
7:36	150		5	3	Run 5 H2O
7:41	200		60	5	Mix 275 SW 60/40 POZ
7:55	300			4	Release Plug / Start Displacement
8:05	200		15	3	Slow rate
8:10	200		23	3	Shut in well
					CMT TO SURFACE
					Circ. Then JOB
					JOB COMPLETE
					THANK YOU
					MIKE MARRAL



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 08781 A

DATE _____ TICKET NO. _____

DATE OF JOB: 9-5-13	DISTRICT: PRATT, Ks	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER: L D DRILLING		LEASE: APPERBEE-SCHLESSIGER C. WELL NO. #3					
ADDRESS:		COUNTY: RUSSELL STATE: Ks.					
CITY: STATE:		SERVICE CREW: K.C. S. Young, Mike					
AUTHORIZED BY:		JOB TYPE: CMW - LOW COST DRILLING					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM PM TIME
19907							9-5 6:30
						ARRIVED AT JOB	AM PM 0600
27463	1/2					START OPERATION	AM PM 0915
						FINISH OPERATION	AM PM 1030
20959	1/2					RELEASED	AM PM 1030
19918	1/2					MILES FROM STATION TO WELL	80

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP100C	COMMON CEMENT	SK	150		2400 -
CP103	60/40 POT	SK	30		360 -
CC105	C-41P DETONATOR	10.	36		144 -
CC111	SIRT	10.	1216		608 -
CC112	CEMENT FRICTION REDUCER	10.	106		636 -
CC113	1.4PSUM	10.	705		528 75
CC201	1.25OWITE	10.	750		502 50
CF103	5/2 TOP RUBBER PLUG	EA	1		105 -
CF251	5/2 PLATE SHOES	EA	1		250 -
CF1451	5/2 ASPHALT JOINT FLATT	EA	1		215 -
CF1651	5/2 THRODOLIZER	EA	6		660 -
CC154	SUPER FLOUSH	gal.	560		1225 -
E100	PECKUP NIFE.	mile	80		340 -
E101	THICK NIFE.	mile	160		1120 -
E113	BULL DELIVERY	Tm	680		1088 -
CE204	DEPTH CHANGE 3001'-400'	DA	1		2160 -
CE240	BLENDING CHANGE	SK	180		252 -
CE500	PULL CONTAINER	DA	1		250 -
S003	SENIOR SUPERVISOR	EA	1		175 -

SUB TOTAL 9764 44

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	

SERVICE REPRESENTATIVE: K. Gonsley	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)	

FIELD SERVICE ORDER NO.

Customer LD DRILLING	Lease No.	Date 9-5-13
Lease APPLEBEE-SCHLESSELER RATTLE #3	Well #	
Field Order # 8781	Station PRATT, KS	Casing 5/2
	Depth 3370'	County RUSSELL
Type Job OWN-LOWSTRING	Formation TD-3375	Legal Description 21-15-12

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
5 1/2							
Depth 3370	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 3354	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative LD	Station Manager KEVIN	Treater COMBLEY
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Service Units 19907	27468	70959	19918
Driver Names KG	S. YOUNG	DAVE	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0600					ON LOCATION
					RUN 3365' 5 1/2" 14" CSC - 81 JTS
					CORDE STOP, DWELL FLIGHT 110' 1/2" 14" CSC
					PLUG - 1-3-5-7-9-11
0830					THE BOTTOM - 1120' BUTOL - C.D.C.
					SET 5 1/2" AT 3370'
0915	200		5	6	PUMP 5 bbl 1 1/2 C
	300		12	6	PUMP 12 bbl SUPERFLUSH
	300		5	6	PUMP 5 bbl H2O
	200		36	6	MIX 150 SK COMMON CEMENT
					18% SALT 5% C 4 P 30M 5" / SK
					BISONITE 3/4% CEN 1/4% DEFOAM
					AT 15.5" / SK, 1.36 AT 7" / SK, 5.4 H2O
					STOP - WASH LINE - DROP PLUG
	0		0	7 1/2	START ISIP
	300		60	7 1/2	LIFT CEMENT
	300		72	5	SLOW RATE
0945	1000		82	4	PLUG DOWN - HOLD
					PLUG PATH HOLE - 30 SK 60/40 P02
1030					JOB COMPLETE KEVIN