

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1330613  
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: \_\_\_\_\_

1330613

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

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

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	MAULER TRUST 1-27
Doc ID	1330613

All Electric Logs Run

COMPENSATED DENSITY / NEUTRON LOG
DUAL INDUCTION LOG
MICRO LOG
SONIC LOG





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Mauler Trust 1-27 Dst 1

TIME ON: 03:25  
TIME OFF: 10:45

Company L.D Drilling Inc Lease & Well No. Mauler Trust 1-27  
Contractor L.D Drilling Inc Charge to L.D Drilling Inc  
Elevation 1897 KB Formation \_\_\_\_\_ Lan "A-G" Effective Pay \_\_\_\_\_ Ft. Ticket No. RR242  
Date Sep-26-2016 Sec. 27 Twp. \_\_\_\_\_ 18 S Range \_\_\_\_\_ 14 W County \_\_\_\_\_ Barton State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative \_\_\_\_\_ Ricky Ray

Formation Test No. 1 Interval Tested from 3271 ft. to 3295 ft. Total Depth 3295 ft.  
Packer Depth 3212 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3217 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3210 ft. Recorder Number 0062 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3285 ft. Recorder Number 8471 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 44 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 8.8 Water Loss 9.6 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 5400 P.P.M. Drill Pipe Length 3185 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 12 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? na Reversed Out NA Anchor Length 78A (16P) 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: 1" Blow (BOB in 2 mins) BBBB  
2nd Open: 2' Blow (BOB in 2 mins) GAS AT SURFACE in 14 mins BBBB

Recovered 32 ft. of MCO 10% O 90% M  
Recovered 558 ft. of O 100% O 29 Gravity @ 60 Deg  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Tool Sample: Blown Out</u>	Insurance
	Total

Time Set Packer(s) 5:34 AM A.M. P.M. Time Started Off Bottom 8:34 AM A.M. P.M. Maximum Temperature 106

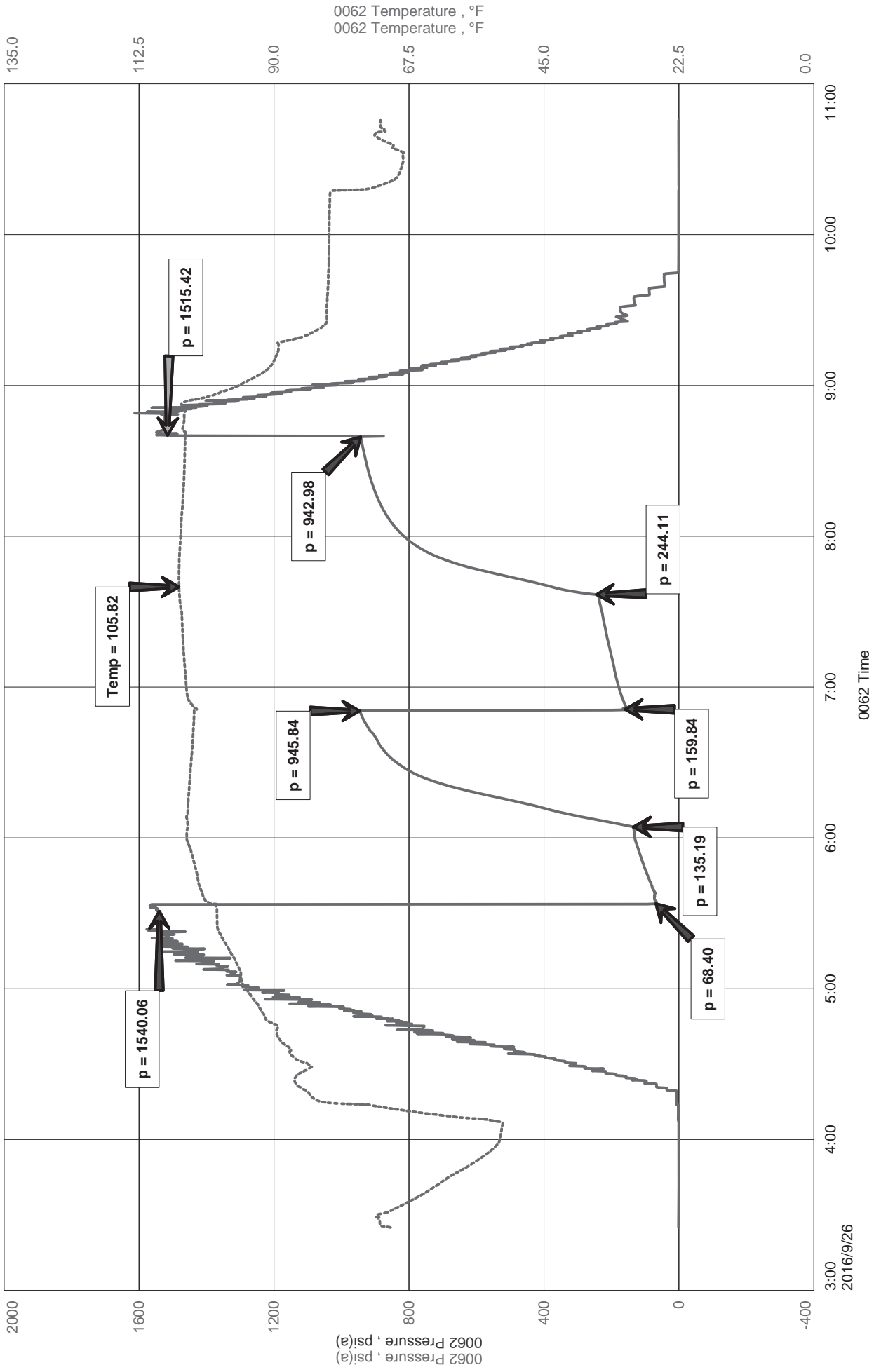
Initial Hydrostatic Pressure..... (A) 1540 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 68 P.S.I. to (C) 135 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 946 P.S.I.  
Final Flow Period..... Minutes 45 (E) 160 P.S.I. to (F) 244 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 943 P.S.I.  
Final Hydrostatic Pressure..... (H) 1515 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.

L.D Drilling Inc  
Dst 1 Lans A-G (3217-3295)  
Start Test Date: 2016/09/26  
Final Test Date: 2016/09/26

Mauler Trust 1-27  
Formation: Dst 1 Lans A-G (3217-3295)  
Pool: Infield  
Job Number: RR242

# Mauler Trust 1-27





Diamond Testing LLC  
 P.O. Box 157  
 HoisingtonKS 67544

**Ricky Ray - Tester**  
**(620) 617-7261**

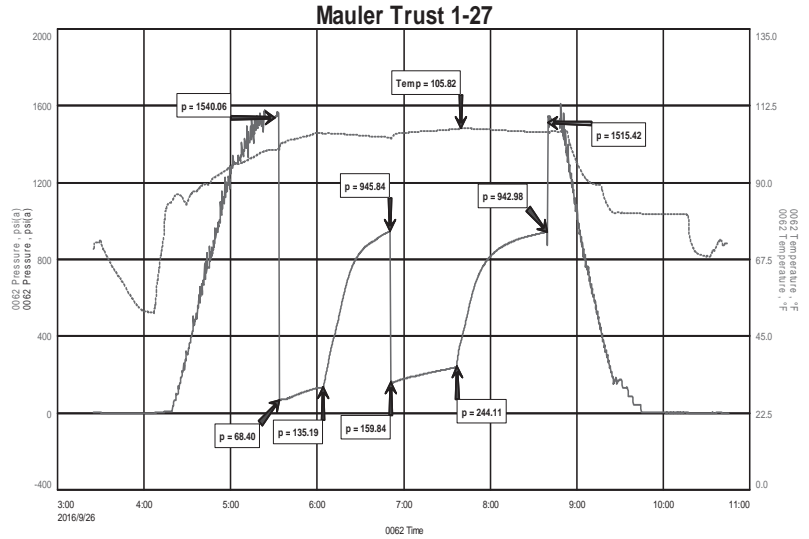
# Wellsite Report

## General Information

Company Name	L.D Drilling Inc
Contact	Marilyn Davis
Well Operator	L.D Drilling Inc
Well Name	Mauler Trust 1-27
Surface Location	Sec: 27-18s-14w (Barton County)
Field	NA
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	
Gauge Name	0062

## Test Information

Job Number	RR242
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 Lans A-G (3217-3295)
Start Test Date	2016/09/26 YYYY/MM/DD
Start Test Time	03:25:00 HH:mm:ss
Final Test Date	2016/09/26 YYYY/MM/DD
Final Test Time	10:45:00 HH:mm:ss



## Test Results

### Recovery:

32'	MCO	10% O	90% M
558'	O	100% O	29 Gravity @ 60 Deg

Tool Sample: Blown Out





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Mauler Trust 1-27 Dst 2

TIME ON: 21:19 Sep 26  
TIME OFF: 04:41 Sep 27

Company L.D Drilling Inc Lease & Well No. Mauler Trust 1-27  
Contractor L.D Drilling Inc Charge to L.D Drilling Inc  
Elevation 1897 KB Formation \_\_\_\_\_ L/KC "H-K" Effective Pay \_\_\_\_\_ Ft. Ticket No. RR243  
Date Sep-27-2016 Sec. 27 Twp. \_\_\_\_\_ 18 S Range \_\_\_\_\_ 14 W County \_\_\_\_\_ Barton State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative \_\_\_\_\_ Ricky Ray

Formation Test No. 2 Interval Tested from 3335 ft. to 3420 ft. Total Depth \_\_\_\_\_ 3420 ft.  
Packer Depth \_\_\_\_\_ 3330 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ 3335 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ 3328 ft. Recorder Number \_\_\_\_\_ 0062 Cap. \_\_\_\_\_ 5000 P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ 3403 ft. Recorder Number \_\_\_\_\_ 8471 Cap. \_\_\_\_\_ 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 45 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.25 Water Loss 9.6 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ 6900 P.P.M. Drill Pipe Length \_\_\_\_\_ 3303 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 12 Test Tool Length \_\_\_\_\_ 32 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? na Reversed Out NA Anchor Length \_\_\_\_\_ 85A (23P) 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: 1" Blow (BOB in 24 3/4 mins) BBBB  
2nd Open: 1" Blow (BOB in 18 1/4 mins) 1/2 BB

Recovered 40 ft. of OWM 10% O 15% W 75% M  
Recovered 12 ft. of O 100% O 29 Gravity @ 60 Deg  
Recovered 62 ft. of OMW 10% O 70% W 20% M  
Recovered 114 ft. of Total Fluid PH: 7

Recovered _____ ft. of _____	Chlorides: <u>65,000</u> PPM	Price Job
Recovered _____ ft. of _____	RW: <u>.29</u> @ 60 Deg	Other Charges
Remarks: Tool Sample: <u>5% O</u> <u>92% W</u> <u>3% M</u>		Insurance
		Total

Time Set Packer(s) 11:34 PM Sep 26 <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 2:34 AM Sep 27 <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 104

Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ 1592 P.S.I.  
Initial Flow Period..... Minutes 30 (B) \_\_\_\_\_ 14 P.S.I. to (C) \_\_\_\_\_ 33 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) \_\_\_\_\_ 1102 P.S.I.  
Final Flow Period..... Minutes 45 (E) \_\_\_\_\_ 43 P.S.I. to (F) \_\_\_\_\_ 70 P.S.I.  
Final Closed In Period..... Minutes 60 (G) \_\_\_\_\_ 1077 P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ 1575 P.S.I.

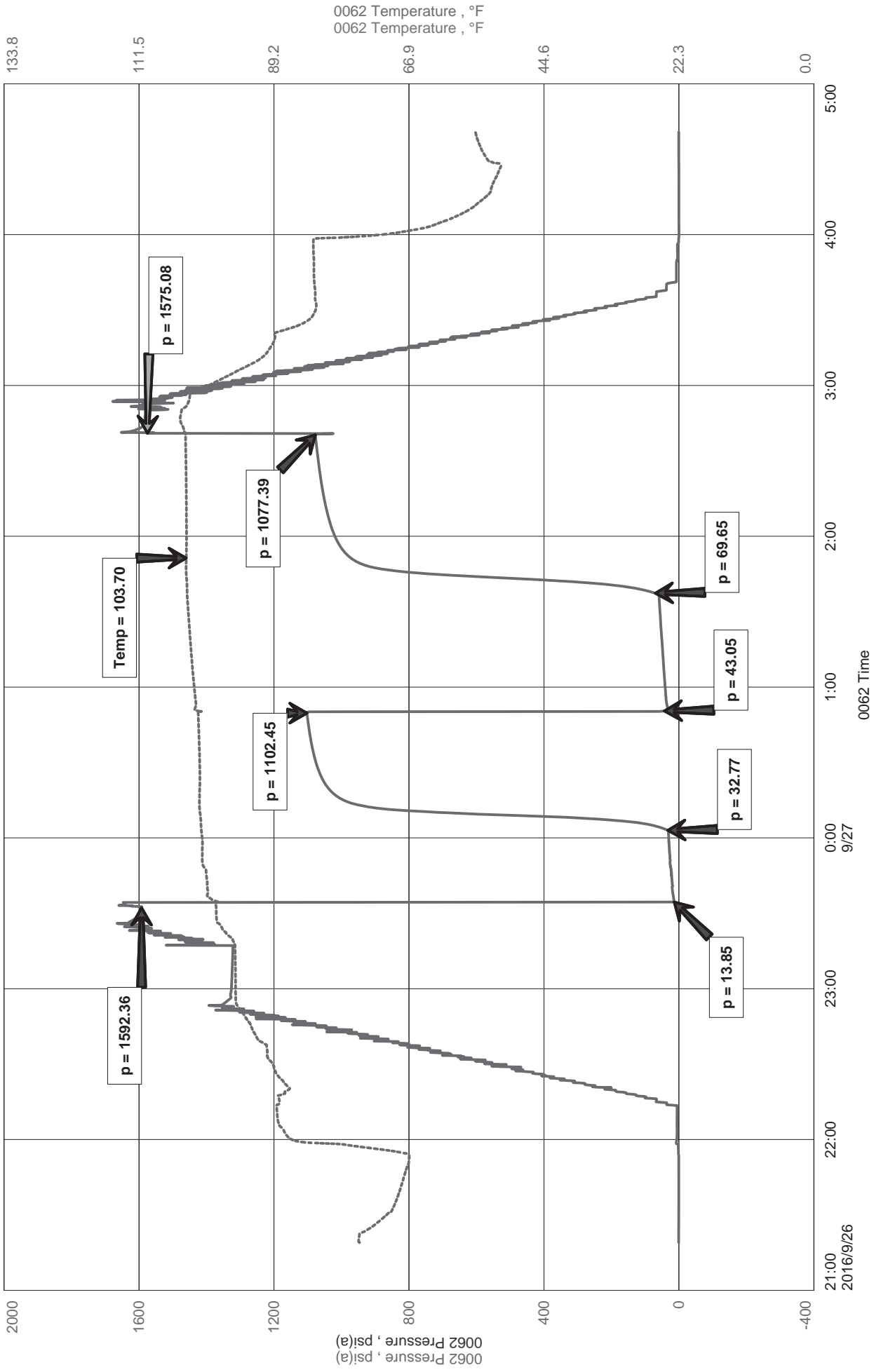
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged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



L.D Drilling Inc  
Dst 2 L/KC "H-K" (3335-3420)  
Start Test Date: 2016/09/26  
Final Test Date: 2016/09/27

Mauler Trust 1-27  
Formation: Dst 2 L/KC "H-K" (3335-3420)  
Pool: Infield  
Job Number: RR243

# Mauler Trust 1-27





# Diamond Testing LLC

P.O. Box 157

HoisingtonKS 67544

**Ricky Ray - Tester**

**(620) 617-7261**

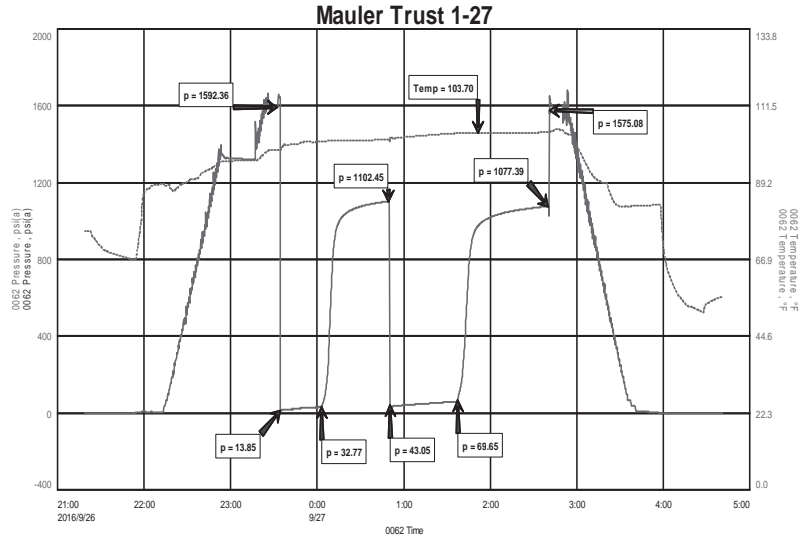
## Wellsite Report

### General Information

Company Name	L.D Drilling Inc
Contact	Marilyn Davis
Well Operator	L.D Drilling Inc
Well Name	Mauler Trust 1-27
Surface Location	Sec: 27-18s-14w (Barton County)
Field	NA
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	
Gauge Name	0062

### Test Information

Job Number	RR243
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 2 L/KC "H-K" (3335-3420)
Start Test Date	2016/09/26 YYYY/MM/DD
Start Test Time	21:19:00 HH:mm:ss
Final Test Date	2016/09/27 YYYY/MM/DD
Final Test Time	04:41:00 HH:mm:ss



### Test Results

#### Recovery:

40'	OWM	10% O	15% W	75% M
12'	O	100% O	29 Gravity @ 60 deg	
62	OWM	10% O	70% W	20% M
114'	Total Fluid			

Tool Sample: 5% O 92% W 3% M

PH: 7  
 Chlorides: 65,000  
 RW: .29 @ 70 Deg

KIM B. SHOEMAKER  
 CONSULTING GEOLOGIST  
 316-684-9709 \* WICHITA, KS

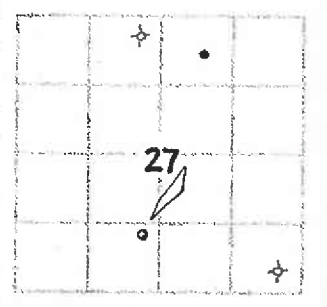
GEOLOGIST'S REPORT  
 DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.  
 LEASE 1-27 MAULER TRUST  
 FIELD WILDCAT  
 LOCATION 1172' FSL & 2270' FWL  
 SEC 27 TWP 18s RGE 14w  
 COUNTY BARTON STATE KANSAS  
 CONTRACTOR L. D. DRILLING, INC.  
 SPUD 9-21-16 COMP 9-28-16  
 RFD 3620 LTD 3622  
 MUD UP 2691 TYPE MUD CHEMICAL

ELEVATIONS  
 KB 1897  
 DT  
 GL 1892  
 Measurements Are All  
 From 1897 KB  
 CASING  
 SURFACE 8 5/8" @ 845'  
 PRODUCTION 5 1/2" @  
 ELECTRICAL SURVEYS  
 DUAL IND. DENS.-N. MICRO,  
 SONIC

SAMPLES SAVED FROM 2800 TO 3620  
 DRILLING TIME KEPT FROM 2800 TO 3620  
 SAMPLES EXAMINED FROM 2800 TO 3620  
 GEOLOGICAL SUPERVISION FROM 3000 TO 3620  
 GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	844+1053	844+1053
TOPEKA	2878-981	2890-993
HEEBNER	3118-1221	3120-1223
BROWN LIME	3200-1303	3201-1304
LANSING	3210-1313	3210-1313
B/KC	3418-1521	3417-1520
ARBUCKLE	3536-1639	3536-1639



REMARKS  
 API: 15-009 - 26146

9-21-16 SPUD  
 9-22 @ 825'  
 9-23 @ 1260'  
 9-24 @ 2260'  
 9-25 @ 2955'  
 9-26 @ 3295'  
 9-27 @ 3420'  
 9-28 @ 3620'

LEGEND

- Anhydrite
- Soil
- Sandstone
- Shale
- Carb. sh.
- Limestone
- Oil/Lime
- Chert
- Dolomite

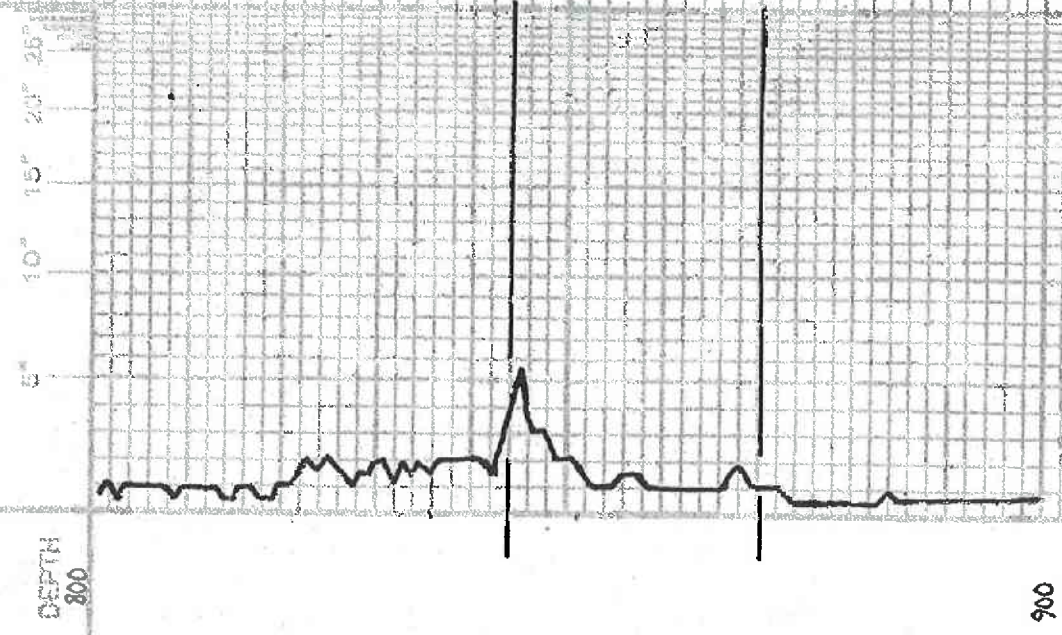
LITHOLOGY

DRILLING TIME IN MINUTES  
 PER FOOT  
 Rate of Penetration Increases

DEPTH  
 800

SAMPLE DESCRIPTIONS

REMARKS





Samples are tagged

Sh. clay silty

ss. Br. Ysh. Foss.

Sh. Blue G.

ss. wt. Sh. Foss. Silty

ss. Br. Ysh. Foss.

Sh. Silty Silty

**TOPEKA 2890-993**

ss. Tan. G. Sh. Foss.

ss. Tan. Sh. Foss. Silty Ysh. Foss.

ss. Tan. Br. Ysh. Foss.

ss. wt.ool. Foss. Silty

Sh. G.

ss. G. Sh. Foss.

Sh. Blue Silty

ss. Tan. Sh. Foss. Silty

ss. Tan. Br. Ysh. Foss.

ss. Clay Ysh. Foss.

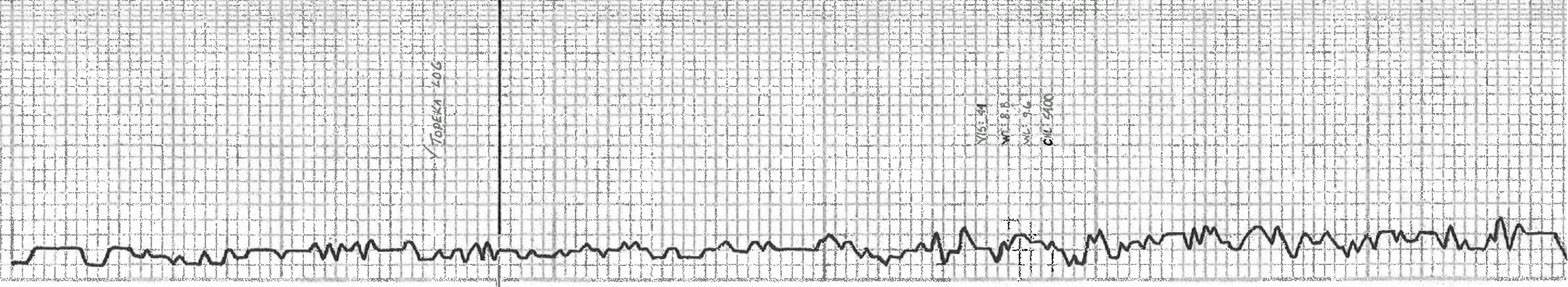
Sh. Blue DE G.

ss. Tan. Foss.ool.

ss. G. Sh. Foss.

ss. Tan. Sh. Foss. Ysh. Chalky

ss. G. Ysh. Foss.



2800

2900

3000



3100

3200

3300

3400

HEEBNER 3120-1223

Sh. 114

LS. wt. Sh. Foss. SHA

LS. wt. SHA

Sh. Rd

Sh. 114

Sh. 114

Sh. 114

BROWN LIME 3201-1304

LANSING 3210-1313

LS. wt. Lf. VSL: 65%

LS. wt. Lf. VSL: 65%  
LS. wt. Lf. VSL: 65%  
LS. wt. Lf. VSL: 65%

Sh. 114

Sh. 114

Sh. 114

Sh. 114

LS. wt. Lf. VSL: 65%  
LS. wt. Lf. VSL: 65%

LS. 114

LS. wt. Lf. VSL: 65%  
LS. wt. Lf. VSL: 65%

LS. 114

LS. wt. Lf. VSL: 65%

LS. wt. Chly.

LS. Ta. R. SHA

LS. 114

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LS. 114

LS. 114

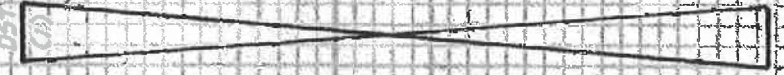
LS. 114

LS. 114

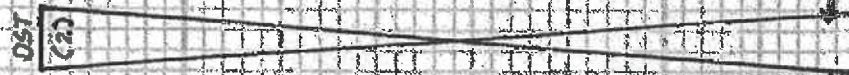
SH/KC 3117-1520

3080-10

BUGGAS



CHL: 2900



DST (1) 3217-3285

1st OPEN: Bottom bucket 2 min. 88: None 88: 1/2"

2nd OPEN: " " " " GTS 14 min. 88: " " 30-45-45-60

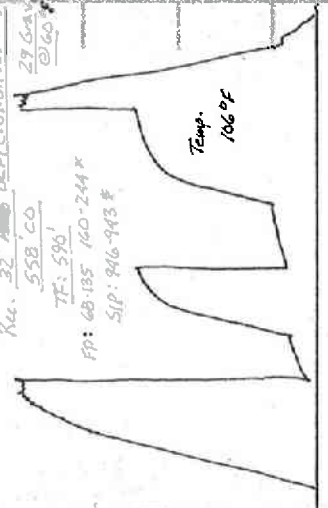
Rec. 22' 29 GAV @ 60"

TF: 538'

FP: 48-185 160-244 x

SIP: 946-943 #

Temp. 106°F



DST (2) 3335-3420

1st OPEN: Bottom bucket 24 min. 88: None 88: 1/2"

2nd OPEN: " " " " 30-45-45-60

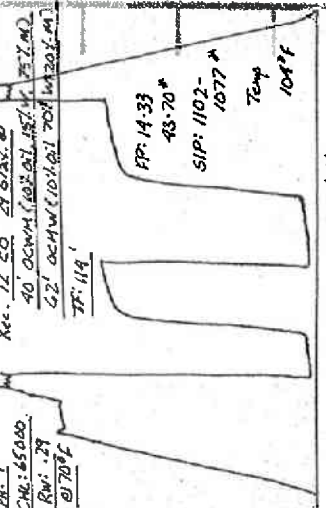
Rec. 12' 50' 29 GAV @ 60"

TF: 119'

FP: 14-33

SIP: 1102-1077 #

Temp. 104°F



Tool Sample: 5' 10.7. 92' 1.44. 37.44









**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

27-18-14

FIELD SERVICE TICKET  
1718 13864 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 9/28/2016		DISTRICT: P1922LKS		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, Inc				LEASE: mculec				WELL NO. 1-27	
ADDRESS:				COUNTY: Barton		STATE: KS			
CITY:				STATE:		SERVICE CREW: Derry, Scott, M. Mcbray			
AUTHORIZED BY:				JOB TYPE: CNW/ 5 1/2" LONGSTRIKES					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
86779	1/2						9/28	AM	5:00
19860	1/4					ARRIVED AT JOB	9/28	AM	7:00
						START OPERATION	9/28	AM	11:30
						FINISH OPERATION	9/28	AM	12:00
						RELEASED	9/28	AM	1:00
						MILES FROM STATION TO WELL			65

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: *Phil W. D.*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AA2 Cement	SK	150		2550 00
CP103	60/40 P02	SK	30		360 00
CC102	Cellophane	Lb	38		140 60
CC111	SS1+	Lb	816		408 00
CC113	Gypsum	Lb	705		528 75
CC129	FLA-322	Lb	113		847 50
CC201	Gilsonite	Lb	900		603 00
CF607	Latch Down Plug & Baffle, 5 1/2" (Blue)	ES	1		400 00
CF1251	Auto Fill Float Shoe, 5 1/2" (Blue)	ES	1		360 00
CF1651	Tricholizer, 5 1/2" (Blue)	ES	8		880 00
CF1901	5 1/2" BSSK (Blue)	ES	1		290 00
CC151	Mud Flush	Gal	1,000		1,500 00
E100	Unit mileage Charge - Pickup, 5m, 5m, 5m, 5m, 5m	m.	65		292 50
E101	Hourly Equipment Mileage	m.	130		975 00
E113	Proprietary Bulk Delivery Charges, per ton min	Ton	543		1,356 88
CE204	Depth Charge, 3001-4000'	4hr	1		2,160 00
CE240	Blended mixing Service Charge	SK	180		252 00
S003	Service Supervisor, first & last on loc	ES	1		175 00
CF504	Plug cost, per Utilization Charge	Job	1		250 00
SUB TOTAL					14,329 23

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
Discounted TOTAL		7,451 20

SERVICE REPRESENTATIVE: <i>Erica Franklin</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>Phil W. D.</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.

Customer <i>LD Drilling, Inc</i>		Lease No.		Date <i>9/28/2016</i>	
Lease <i>Marter Trust</i>		Well # <i>1-27</i>			
Field Order # <i>13864</i>	Station <i>Pratt, KS</i>	Casing <i>5 1/2</i>	Depth <i>3502</i>	County <i>Barton</i>	State <i>KS</i>
Type Job <i>CNW/ 5 1/2 Longstring</i>			Formation <i>TD-3620</i>	Legal Description <i>27-18-14</i>	

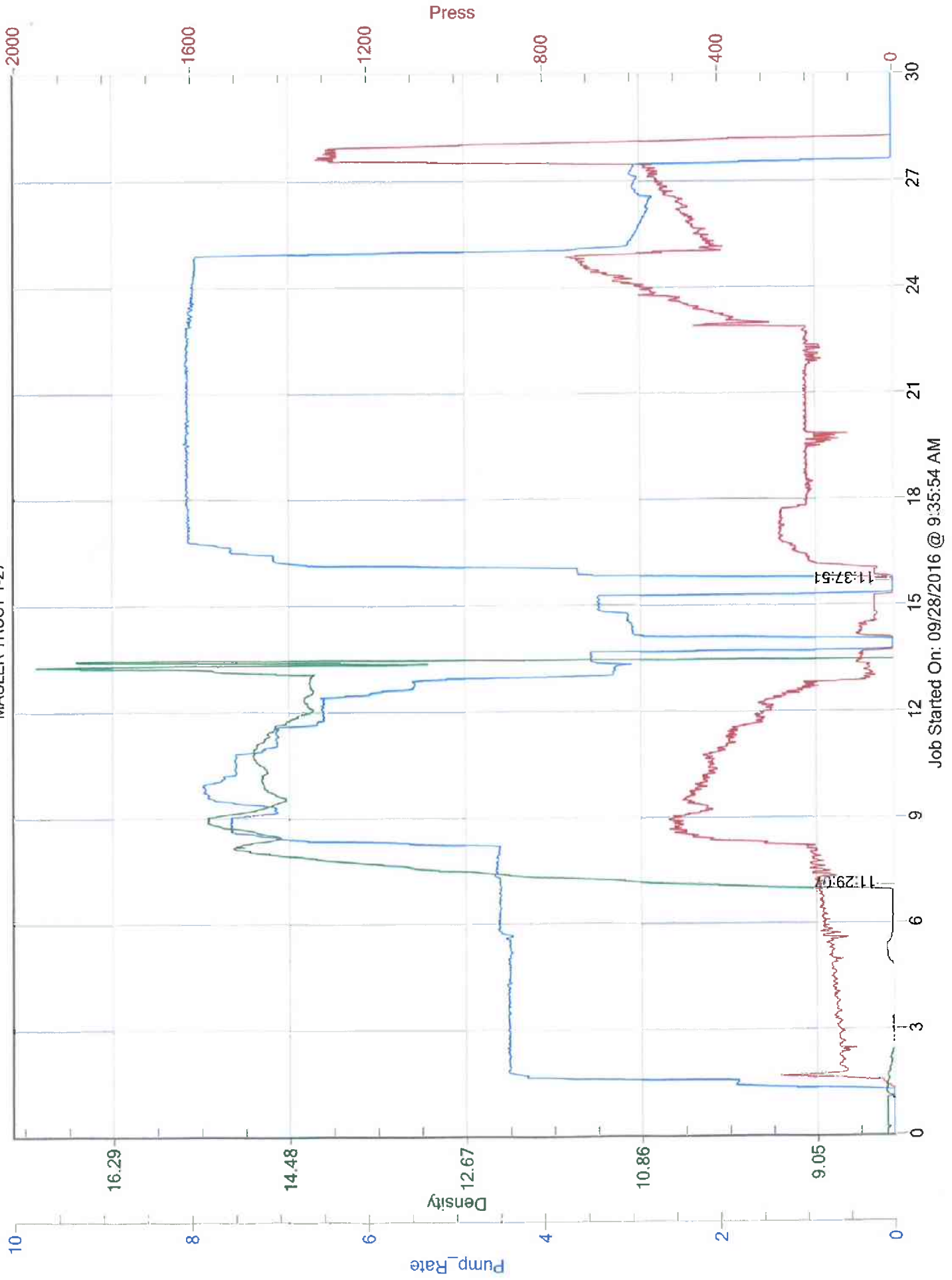
PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<i>5 1/2</i>							
Depth <i>3502</i>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <i>83.3</i>	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>3193</i>	Packer Depth	From	To	Flush <i>Freshwater</i>	Gas Volume		Total Load

Customer Representative <i>RICK</i>	Station Manager <i>Kenna Gorder</i>	Treater <i>Darin Ferguson</i>
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Service Units	<i>92911</i>	<i>78982</i>	<i>86779</i>	<i>84980</i>	<i>19860</i>				
Driver Names	<i>Darin</i>	<i>Scott</i>	<i>Scott</i>	<i>McGraw</i>	<i>McGraw</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>7:00am</i>					<i>on location/safety meetings</i>
					<i>5 1/2 casing set at 3502'</i>
					<i>T- 1, 3, 5, 7, 9, 11, 13, 15</i>
					<i>B- 1</i>
					<i>150 sk AA 2 Cement, 10% SPT, 10% Gypsum</i>
					<i>- 8% FLA-322, 1/4# Cellulose, 6# G. Isonite</i>
					<i>14.8 pps, 1.54 water, 6.52 water</i>
					<i>305# 60/40 P02, 20% Gel, 14.4 pps,</i>
<i>11:30pm</i>	<i>200</i>		<i>24</i>	<i>4 1/2</i>	<i>Pump 24 bbls mud Flush</i>
	<i>200</i>		<i>5</i>	<i>4 1/2</i>	<i>Pump 5 bbls water</i>
	<i>400</i>		<i>41</i>	<i>8</i>	<i>mix 150sk cement</i>
					<i>Shut down</i>
					<i>UGSN pump down &amp; Release Plug</i>
	<i>200</i>		<i>0</i>	<i>8</i>	<i>Static displacement</i>
	<i>500</i>		<i>55</i>	<i>8</i>	<i>L.P.P. Pressure</i>
	<i>500</i>		<i>70</i>	<i>3</i>	<i>slow rate</i>
<i>11:52pm</i>	<i>1250</i>		<i>80</i>	<i>3</i>	<i>Bump plug</i>
					<i>Flush</i>
					<i>Plug Rest hole</i>
<i>12:00pm</i>					<i>Job Complete/Darin &amp; crew</i>
					<i>Thank You!!!</i>

L.D. DRILLING  
MAULER TRUST 1-27



Job Started On: 09/28/2016 @ 9:35:54 AM





Customer D. D. Dalg Inc		Lease No.		Date 11-11-11	
Lease Mauler Trust		Well # 1-27			
Field Order # 15900	Station Pratt KS	Casing 5 1/2	Depth 3320	County Barton	State KS
Type Job Squeeze KC parts			Formation KS	Legal Description 29-18-14	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2	3 1/2			Pre Pad	Max	700	5 Min.	
Depth 3320	Depth 3193	From	To	Pad 25% w/FLA	Min		10 Min.	
Volume	Volume 12.2	From	To	Frac 25% Nest	Avg		15 Min.	
Max Press	Max Press 700	From	To		HHP Used		Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush H2O	Gas Volume		Total Load	
Plug Depth	Packer Depth	From	To					

Customer Representative Fred	Station Manager K Gardley	Treater D Scott
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Service Units	1/200	178952	86279	70959	19862				
Driver Names	Scott	S	Graves	M	M'Ginn				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0930					On Loc w/ Toki Safety mty
0825		1500	5	1	PKR @ 3300 psi TEST Plug Hold
0858	500		12	1	PKR @ 3193 psi B.S. Held
0905		500	10	1.2	Inj Rate
0910		500	10.5	1.2	Mix 50% w/FLA - 25% Nest
0920			10	3	Close In + Wash Pump + line
0924		⊕		1.2	St Disp
0926		400	3	1.2	3 Bbls Disp Out Part @ Parts
0930		700	9	1.2	9 Bbls Disp Out
1013		700	11 3/4	⊕	Release flowed back - Re pressure
1020		700	11 3/4	⊕	11 3/4 Bbls Disp Out
1100		700	12	⊕	12 Bbls Disp Out
1105		⊕			Release psi Squeeze Hold
1120	500		30	1 1/2	Run 3 It's Tbg + Wash Thru Squeeze Pull 16 It's Tbg
1215		200	2	1/8	PSI Squeeze + Close In w/ H
					Job Complete
					Thank you
					Scott



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET  
1718 14045 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>9-22-16</b> DISTRICT <b>PRATT, Ks.</b>		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 <b>LID DRILLING, INC</b>		LEASE <b>MAUZER TRUST H-27</b> WELL NO.:						
ADDRESS		COUNTY <b>BARTON</b> STATE <b>Ks.</b>						
CITY STATE		SERVICE CREW <b>HC, SCOTT, DAREN</b>						
AUTHORIZED BY		JOB TYPE: <b>CNW - SURFACE</b>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	<b>9:22 AM</b>	<b>0800</b>
<b>86279</b>	<b>1/2</b>					ARRIVED AT JOB	<b>1100</b>	
<b>73768</b>	<b>1/4</b>					START OPERATION	<b>1315</b>	
						FINISH OPERATION	<b>1345</b>	
						RELEASED	<b>1430</b>	
						MILES FROM STATION TO WELL	<b>65</b>	

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: *Phil Wile*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP101	A-CON CEMENT	SK	200		3600.00
CP100C	COMMON CEMENT	SK	200		3200.00
CC102	CELLULASE	lb.	106		370.00
CC109	CALCIUM CHLORIDE	lb	940		987.00
CF105	3/8" TOP RUBBER PLUG	EA.	1		225.00
E100	PICKUP MILEAGE	mi.	65		292.50
E101	TRUCK MILEAGE	mi	136		975.00
E113	BULK DELIVERY	TM	1222		3055.00
CE201	DEPTH CHARGE 501-1000'	EA	1		1,200.00
CE240	BLENDED C CHARGE	SK	400		560.00
CE504	FLAC DENTIFIER	EA	1		250.00
5003	SERVIDE SUPERVISOR	EA	1		175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		<b>14,889.50</b>
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<b>7,742.54</b>

SERVICE REPRESENTATIVE: *[Signature]* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Phil Wile*  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. \_\_\_\_\_



Customer	LD DRILLING INC		Lease No.			Date	9-22-16			
Lease	MAULER TRUST		Well #	1-27						
Field Order	Station	Pratt, Ks.	Casing	8 7/8	Depth	845	County	BARTON	State	Ks.
Type Job	CNW - SURFACE				Formation					
						Legal Description	27-18-14			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
8 7/8		From	To	Pre Pad		Max		5 Min.
Depth	Depth	From	To	Pad		Min		10 Min.
845		From	To	Frac		Avg		15 Min.
Volume	Volume					HHP Used		Annulus Pressure
Max Press	Max Press	From	To	Flush		Gas Volume		Total Load
Well Connection	Annulus Vol.	From	To					
Plug Depth	Packer Depth	From	To					

Customer Representative	Rock		Station Manager	KEVIN		Treater	COOPERLEY	
Service Units	83353	78982-86779	77686-73768					
Driver Names	BG		SCOTT		DARIN			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1030					ON LOCATION
					RUN 848' 8 7/8 C.S.G
					BREAK CIRCULATION
1315	200		88	6	MIX 200 SL A-COM 3% CC, 1/4" CELL FILLE
	200		42	6	MIX 200 SL COMMON 2% CC, 1/4" # CELL FILLE
					STOP-DROP PLUG
	0		0	6	START DISP.
1345	260		52	4	PLUG DOWN
					CIRC 25 bbl CEMENT TO PET
1430					JOB COMPLETE - KEVIN