



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1319086
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: _____

1319086

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

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

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

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

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

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

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

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

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

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

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

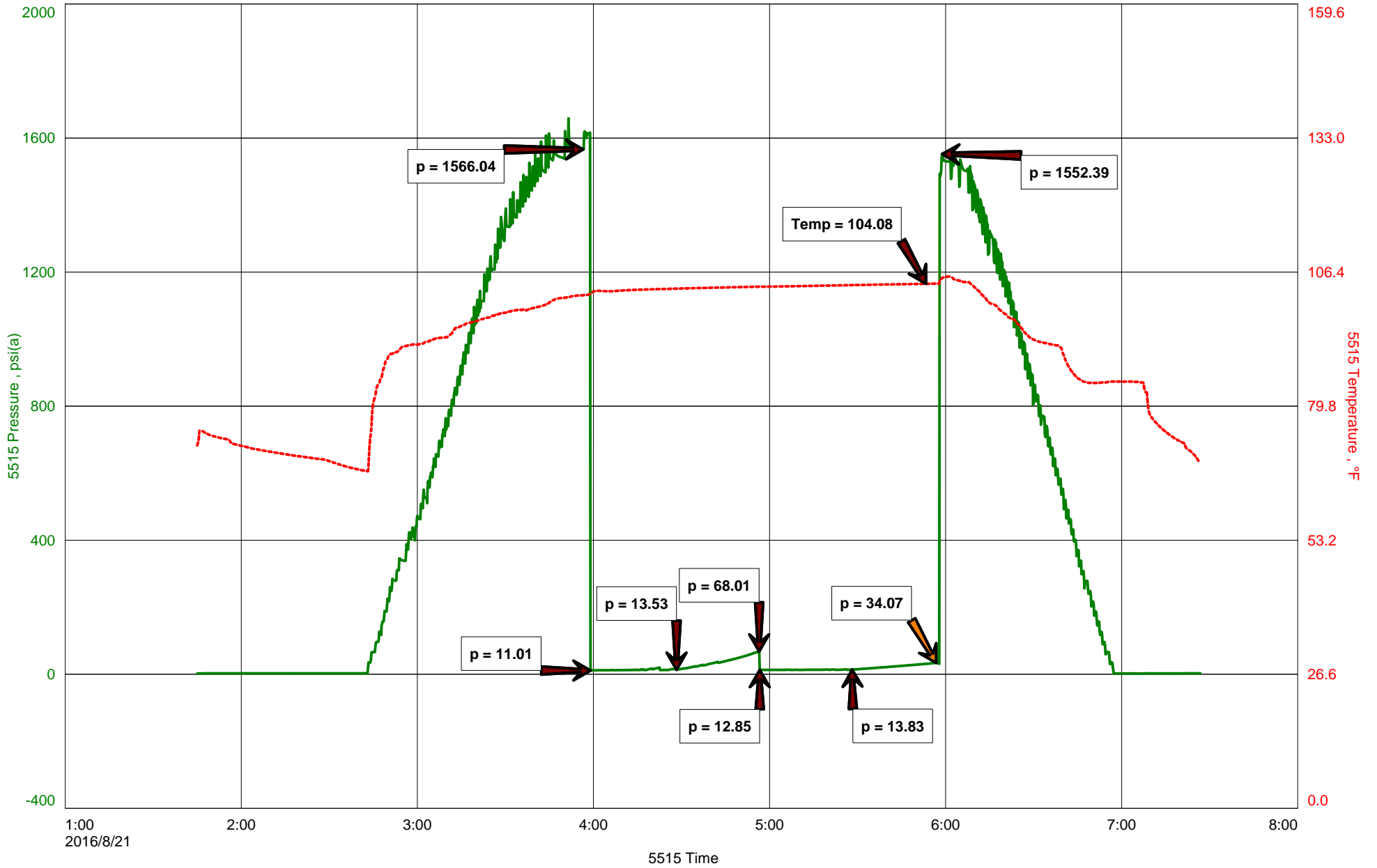
TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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JENISCH #3-34





ROGER D. FRIEDLY

CELL # 620-793-2043

General Information

Company Name	L.D. DRILLING, INC	Job Number	
Contact	MARILYN DAVIS	Representative	ROGER D. FRIEDLY
Well Name	JENISCH #3-34	Well Operator	L.D. DRILLING, INC.
Unique Well ID	LOWER LKC 3,255-3,305	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 34-16S-12W	Qualified By	KIM SHOEMAKER
Field		Test Unit	
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL	Representative	ROGER D. FRIEDLY
Formation	LOWER LKC 3,255-3,305	Well Operator	L.D. DRILLING, INC.
Well Fluid Type	01 Oil	Report Date	2016/08/21
Test Purpose (AEUB)	Initial Test	Prepared By	ROGER D. FRIEDLY

Start Test Date	2016/08/21	Start Test Time	01:45:00
Final Test Date	2016/08/21	Final Test Time	07:27:00

Test Results

RECOVERED: 5' DM 100% MUD

TOOL SAMPLE 100% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: jenisch3-34dst1

TIME ON: 01:45
TIME OFF: 07:27

Company L.D. DRILLING, INC Lease & Well No. JENISCH #3-34
Contractor MARILYN DAVIS Charge to L.D. DRILLING, INC.
Elevation 1908 KB Formation LOWER LKC Effective Pay _____ Ft. Ticket No. _____
Date 08-21-16 Sec. 34 Twp. 16 S Range 12 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,225 ft. to 3,305 ft. Total Depth 3,305 ft.
Packer Depth 3,220 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,225 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3,206 ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) 3,308 ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 56 Drill Collar Length 0 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 6,800 P.P.M. Drill Pipe Length 3,193 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 80 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 63' DRILL PIPE Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2 BLOW DECREASING TO WEAK SURFACE BLOW (NOBB)
2nd Open: NO BLOW (NOBB)

Recovered 5 ft. of DRILLOING MUD 100% MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOOL SAMPLE 100% MUD</u>	Insurance
_____	Total

Time Set Packer(s) 3:59 AM A.M. P.M. Time Started Off Bottom 5:50 A.M. A.M. P.M. Maximum Temperature 104

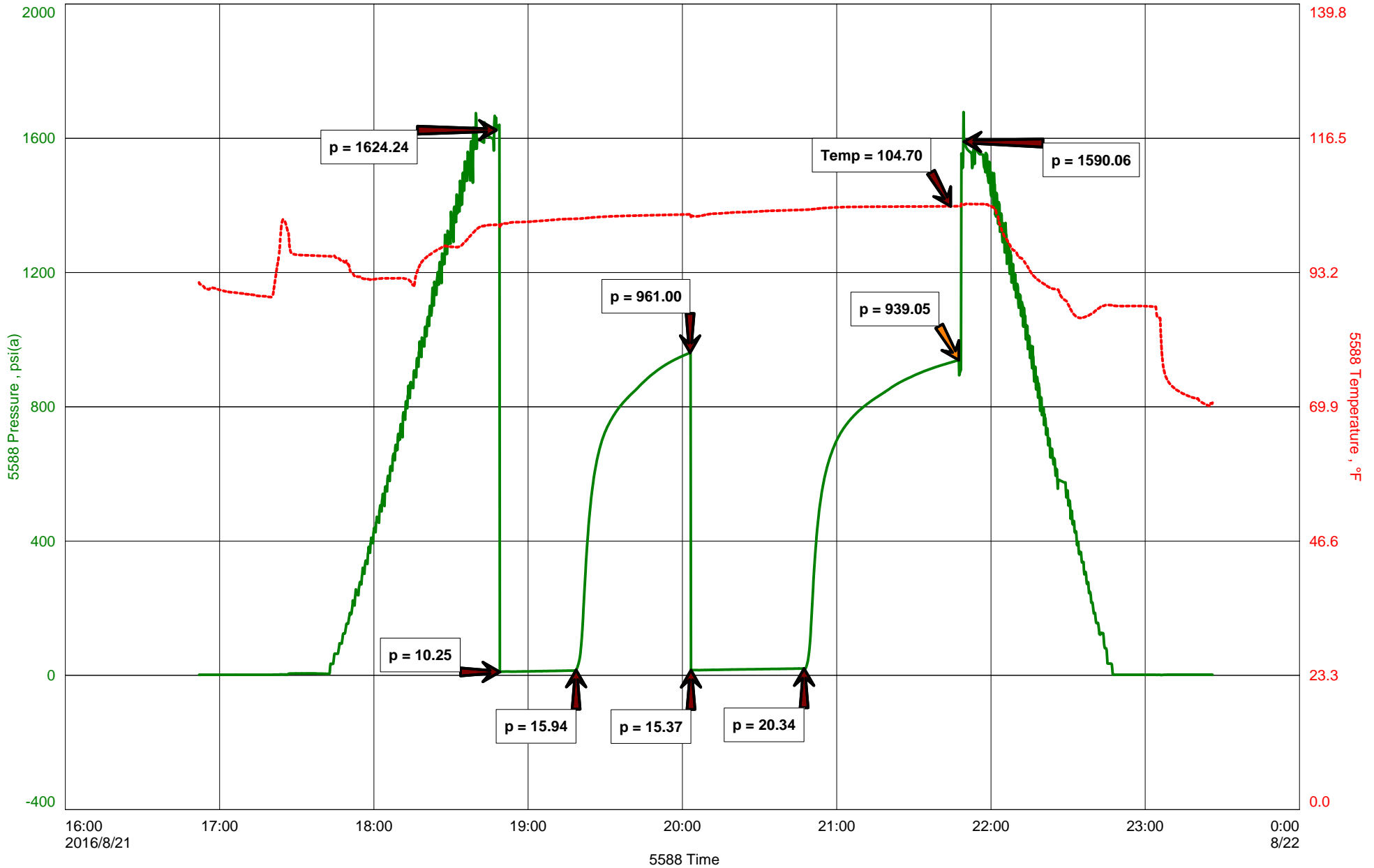
Initial Hydrostatic Pressure..... (A) 1,566 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 14 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 68 P.S.I.
Final Flow Period..... Minutes 30 (E) 13 P.S.I. to (F) 14 P.S.I.
Final Closed In Period..... Minutes 30 (G) 34 P.S.I.
Final Hydrostatic Pressure..... (H) 1,552 P.S.I.

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L.D. DRILLING, INC.
DST #2 ARBUCKLE 3,325' - 3,364'
Start Test Date: 2016/08/21
Final Test Date: 2016/08/21

JENISCH #3-34
Formation: DST #2 ARBUCKLE 3,325' - 3,364'

JENISCH #3-34





ROGER D. FRIEDLY

CELL # 620-793-2043

General Information

Company Name	L.D. DRILLING, INC.	Job Number	
Contact		Representative	ROGER D. FRIEDLY
Well Name	MARILYN DAVIS	Well Operator	L.D. DRILLING, INC.
Unique Well ID	JENISCH #3-34	Prepared By	ROGER D. FRIEDLY
Surface Location	DST #2 ARBUCKLE 3,325' - 3,364'	Qualified By	KIM SHOEMAKER
Field	SEC 34-16S-12W BARTON, CNTY	Test Unit	
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL	Representative	ROGER D. FRIEDLY
Formation	DST #2 ARBUCKLE 3,325' - 3,364'	Well Operator	L.D. DRILLING, INC.
Well Fluid Type	01 Oil	Report Date	2016/08/21
Test Purpose (AEUB)		Prepared By	ROGER D. FRIEDLY

Start Test Date	2016/08/21	Start Test Time	16:52:00
Final Test Date	2016/08/21	Final Test Time	23:27:00

Test Results

RECOVERED: 10' CLEAN OIL 36.6 GRAVITY @ 60 DEG
20' HOCM 30% OIL, 70% MUD
30' TOTAL FLUID

TOOL SAMPLE 30% OIL, 70% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: jenisch3-34dst2

TIME ON: 16:52
TIME OFF: 23:27

Company L.D. DRILLING, INC Lease & Well No. JENISCH #3-34
Contractor MARILYN DAVIS Charge to L.D. DRILLING, INC.
Elevation 1908 KB Formation _____ ARB Effective Pay _____ Ft. Ticket No. _____
Date 08-21-16 Sec. 34 Twp. _____ 16 S Range _____ 12 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 3,325 ft. to 3,364 ft. Total Depth 3,364 ft.
Packer Depth 3,320 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,325 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,306 ft. Recorder Number 5588 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3,367 ft. Recorder Number 5515 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 46 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,400 P.P.M. Drill Pipe Length 3,293 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 39 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 SURFACE BLOW INCREASING TO 1" (NOBB)
2nd Open: WEAK SURFACE BLOW INCREASING TO 1" (NOBB)

Recovered 10 ft. of CLEAN OIL 36.6 GRAVITY @ 60 DEG
Recovered 20 ft. of HOCM 30% OIL, 70% MUD
Recovered 30 ft. of TOTAL FLUID

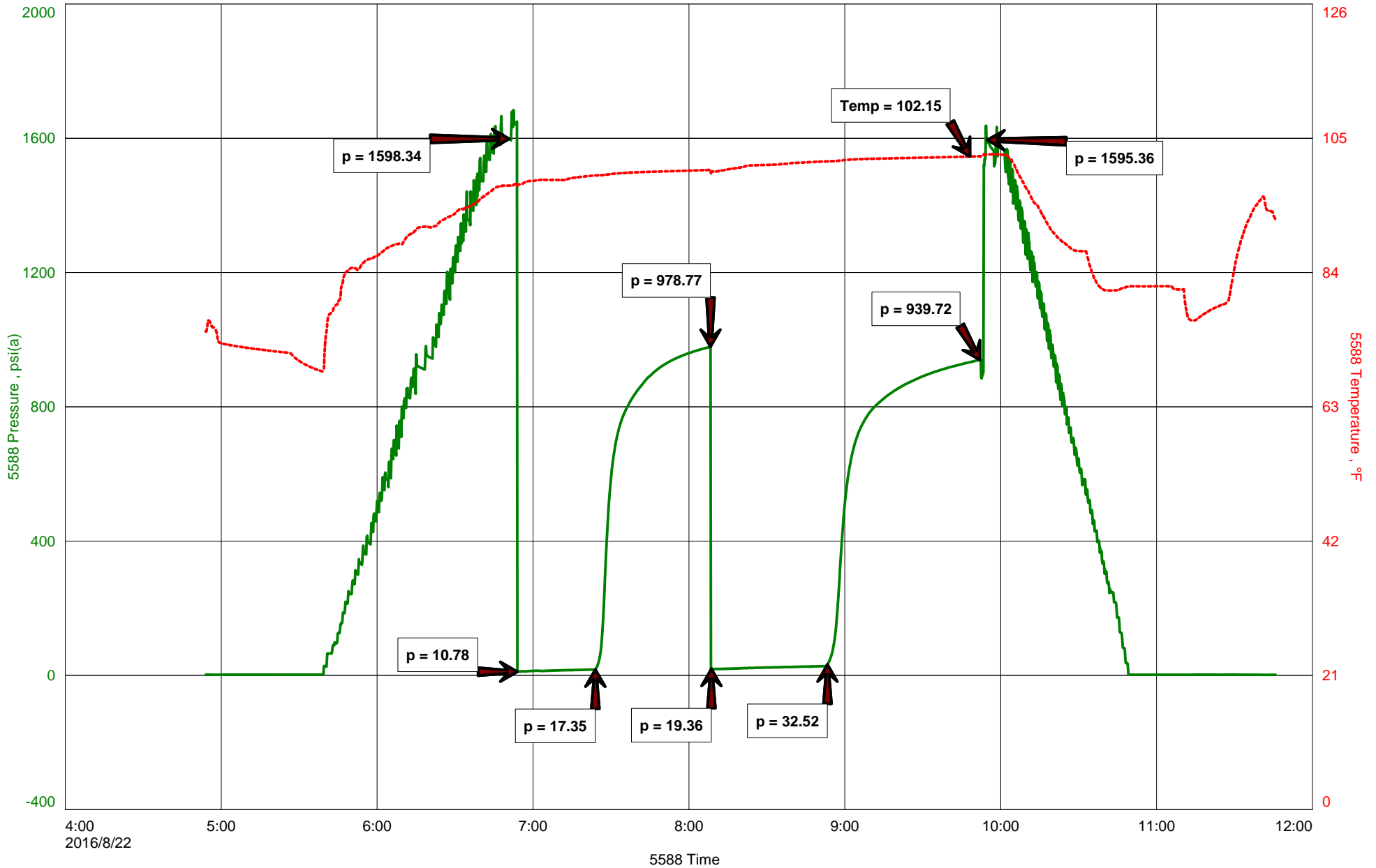
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>TOOL SAMPLE: 30% OIL, 70% MUD</u>	Total

Time Set Packer(s) 6:49 P.M. A.M. P.M. Time Started Off Bottom 9:45 P.M. A.M. P.M. Maximum Temperature 105

Initial Hydrostatic Pressure..... (A) 1,624 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 16 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 961 P.S.I.
Final Flow Period..... Minutes 45 (E) 15 P.S.I. to (F) 20 P.S.I.
Final Closed In Period..... Minutes 60 (G) 939 P.S.I.
Final Hydrostatic Pressure..... (H) 1,590 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.

JENISCH #3-34





ROGER D. FRIEDLY

CELL # 620-793-2043

General Information

Company Name	L.D. DRILLING, INC.	Job Number	
Contact		Representative	ROGER D. FRIEDLY
Well Name	MARILYN DAVIS	Well Operator	L.D. DRILLING, INC.
Unique Well ID	JENISCH #3-34	Prepared By	ROGER D. FRIEDLY
Surface Location	DST #3 ARBUCKLE 3,328' - 3,369'	Qualified By	KIM SHOEMAKER
Field	SEC 34-16S-12W BARTON, CNTY	Test Unit	
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL	Representative	ROGER D. FRIEDLY
Formation	DST #3 ARBUCKLE 3,328' - 3,369'	Well Operator	L.D. DRILLING, INC.
Well Fluid Type	01 Oil	Report Date	2016/08/22
Test Purpose (AEUB)		Prepared By	ROGER D. FRIEDLY

Start Test Date	2016/08/22	Start Test Time	04:54:00
Final Test Date	2016/08/22	Final Test Time	11:46:00

Test Results

RECOVERED:	30'	CLEAN OIL 36.2 GRAVITY @ 60 DEG.
	15'	HOCM 40% OIL, 60% MUD
	45'	TOTAL FLUID

TOOL SAMPLE: 40% OIL, 60% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: jenisch3-34dst3

TIME ON: 04:54
TIME OFF: 11:46

Company L.D. DRILLING, INC Lease & Well No. JENISCH #3-34
Contractor MARILYN DAVIS Charge to L.D. DRILLING, INC.
Elevation 1908 KB Formation _____ ARB Effective Pay _____ Ft. Ticket No. _____
Date 08-22-16 Sec. 34 Twp. _____ 16 S Range _____ 12 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 3,328 ft. to 3,369 ft. Total Depth 3,369 ft.
Packer Depth 3,323 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,328 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,309 ft. Recorder Number 5588 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3,336 ft. Recorder Number 5515 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 7,700 P.P.M. Drill Pipe Length 3,296 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 39 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 INCREASING TO 2 1/2" (NOBB)
2nd Open: WEAK SURFACE BLOW INCREASING TO 2 1/2" (NOBB)

Recovered 30 ft. of CLEAN OIL 36.2 GRAVITY @ 60 DEG
Recovered 15 ft. of HOMC 40% OIL, 60% MUD
Recovered 45 ft. of TOTAL FLUID

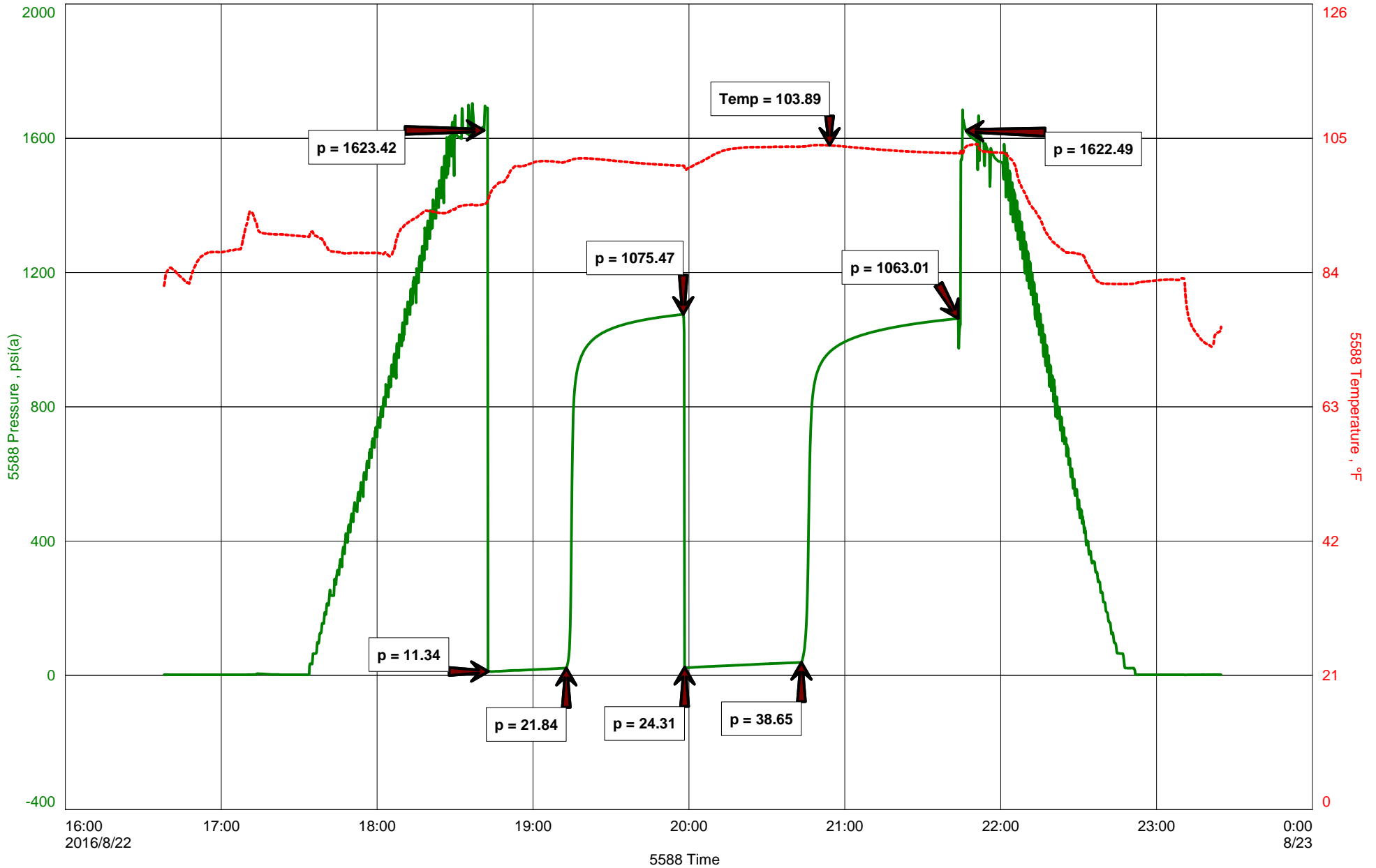
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>TOOL SAMPLE: 40% OIL, 60% MUD</u>	Total

Time Set Packer(s) 6:54 A.M. A.M. P.M. Time Started Off Bottom 9:54 A.M. A.M. P.M. Maximum Temperature 102

Initial Hydrostatic Pressure..... (A) 1598 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 17 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 979 P.S.I.
Final Flow Period..... Minutes 45 (E) 19 P.S.I. to (F) 33 P.S.I.
Final Closed In Period..... Minutes 60 (G) 940 P.S.I.
Final Hydrostatic Pressure..... (H) 1595 P.S.I.

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JENISCH #3-34





ROGER D. FRIEDLY

CELL # 620-793-2043

General Information

Company Name	L.D. DRILLING, INC.	Job Number	
Contact		Representative	ROGER D. FRIEDLY
Well Name	MARILYN DAVIS	Well Operator	L.D. DRILLING, INC.
Unique Well ID	JENISCH #3-34	Prepared By	ROGER D. FRIEDLY
Surface Location	DEST #4 ARBUCKLE 3,367' - 3,376'	Qualified By	KIM SHOEMAKER
Field	SEC 34, 16S-12W BARTON CNTY	Test Unit	
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL	Representative	ROGER D. FRIEDLY
Formation	DEST #4 ARBUCKLE 3,367' - 3,376'	Well Operator	L.D. DRILLING, INC.
Well Fluid Type	01 Oil	Report Date	2016/08/22
Test Purpose (AEUB)	Initial Test	Prepared By	ROGER D. FRIEDLY
Start Test Date	2016/08/22	Start Test Time	16:38:00
Final Test Date	2016/08/22	Final Test Time	23:25:00

Test Results

RECOVERED: 70 CLEAN OIL 33.5 GRAVITY @ 60 DEG
 10 SLTWCOM 16% OIL, 4% WTR, 80% MUD
 80 TOTAL FLUID

TOOL SAMPLE: 44% OIL, 6% WTR, 50% MUD

CHLORIDES: 7,000 Ppm
 PH 8.0
 RW .5 @ 75 DEG.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: jenisch3-34dst4

TIME ON: 16:38
TIME OFF: 23:25

Company L.D. DRILLING, INC Lease & Well No. JENISCH #3-34
Contractor MARILYN DAVIS Charge to L.D. DRILLING, INC.
Elevation 1908 KB Formation _____ ARB Effective Pay _____ Ft. Ticket No. _____
Date 08-22-16 Sec. 34 Twp. _____ 16 S Range _____ 12 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative Roger D. Friedly

Formation Test No. 4 Interval Tested from 3,367 ft. to 3,376 ft. Total Depth 3,376 ft.
Packer Depth 3,362 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,367 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,353 ft. Recorder Number 5588 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3,370 ft. Recorder Number 5515 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 7,700 P.P.M. Drill Pipe Length 3,335 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 9 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 SURFACE BLOW INCREASING TO 4 1/4" (NOBB)
2nd Open: WEAK SURFACE BLOW INCREASING TO 4 1/2" (NOBB)

Recovered 70 ft. of CLEAN OIL 33.5 GRAVITY @ 60 DEG
Recovered 10 ft. of SLTWCOM 16% OIL, 4% WTR, 80% MUD
Recovered 80 ft. of TOTAL FLUID CHLORIDES 7,000

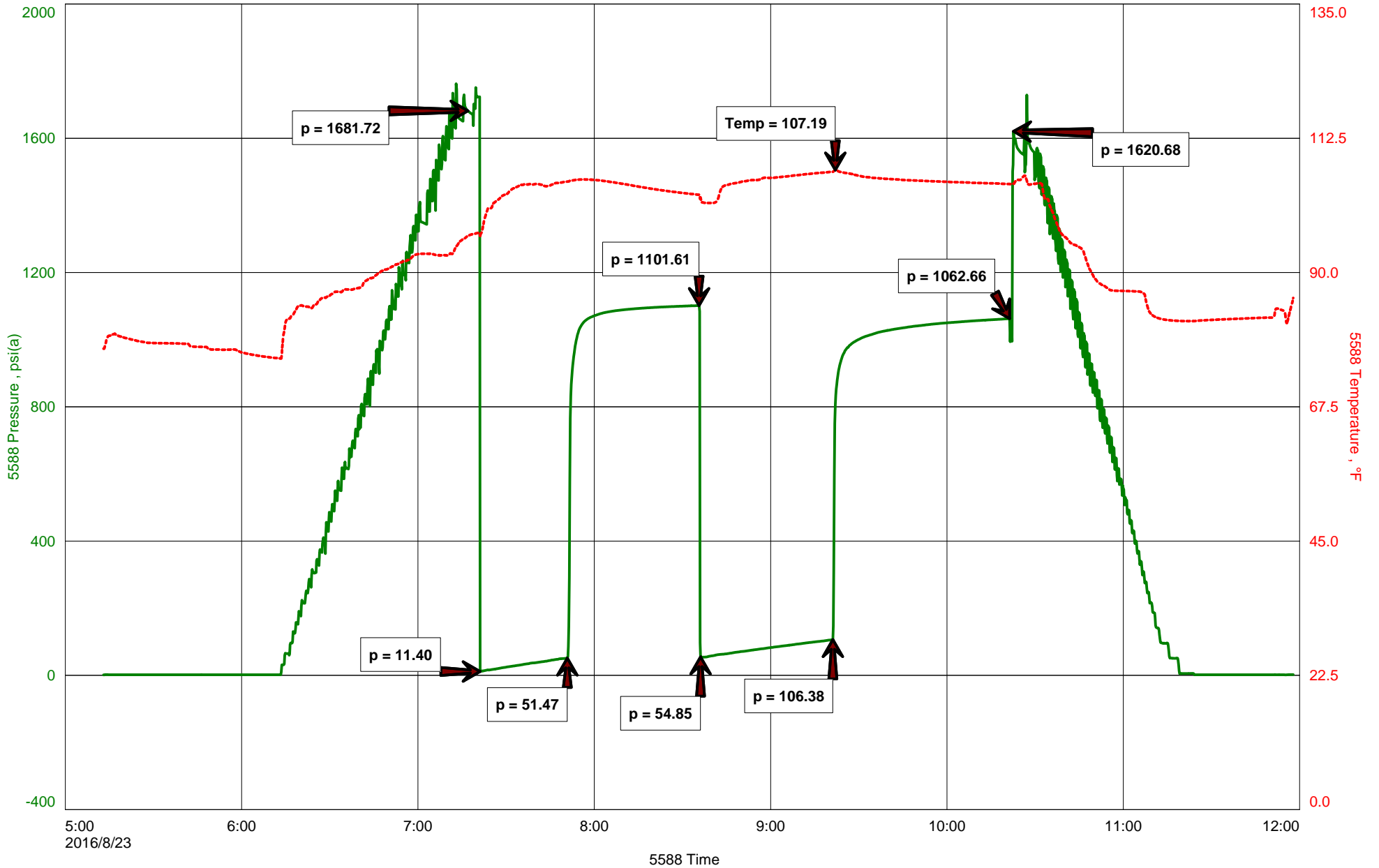
Recovered _____ ft. of _____	PH 8.0	
Recovered _____ ft. of _____	RW .5 @ 75 DEH	Price Job
Recovered _____ ft. of _____		Other Charges
Remarks: <u>TOOL SAMPLE: 44% OIL, 6% WTR, 50% MUD</u>		Insurance
		Total

Time Set Packer(s) 6:42 P.M. A.M. P.M. Time Started Off Bottom 9:42 A.M. A.M. P.M. Maximum Temperature 104

Initial Hydrostatic Pressure..... (A) 1623 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 22 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1075 P.S.I.
Final Flow Period..... Minutes 45 (E) 24 P.S.I. to (F) 39 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1063 P.S.I.
Final Hydrostatic Pressure..... (H) 1622 P.S.I.

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JENISCH #3-34





ROGER D. FRIEDLY

CELL # 620-793-2043

General Information

Company Name	L.D. DRILLING, INC.	MARILYN DAVIS	Job Number	
Contact		JENISCH #3-34	Representative	ROGER D. FRIEDLY
Well Name		DST #5 ARBUCKLE 3,372' - 3,382'	Well Operator	L.D. DRILLING, INC.
Unique Well ID		SEC 34-16S-12W	Prepared By	ROGER D. FRIEDLY
Surface Location			Qualified By	KIM SHOEMAKER
Field		Vertical	Test Unit	
Well Type				

Test Information

Test Type	CONVENTIONAL	Representative	ROGER D. FRIEDLY
Formation	DST #5 ARBUCKLE 3,372' - 3,382'	Well Operator	L.D. DRILLING, INC.
Well Fluid Type	01 Oil	Report Date	2016/08/23
Test Purpose (AEUB)		Prepared By	ROGER D. FRIEDLY

Start Test Date	2016/08/23	Start Test Time	05:13:00
Final Test Date	2016/08/23	Final Test Time	11:57:00

Test Results

RECOVERED:	193'	CLEAN OIL	35.5 GRAVITY @ 60 deg
	63'	OCWM	15% OIL, 38% WTR, 47% MUD
	256'	TOTAL FLUID	

TOOL SAMPLE: 50% OIL, 15% WTR, 35% MUD

CHLORIDES:	17,000Ppm
PH:	8.0
RW:	.4 @ 80 deg



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: jenisch3-34dst5

TIME ON: 05:13
TIME OFF: 11:57

Company L.D. DRILLING, INC Lease & Well No. JENISCH #3-34
Contractor MARILYN DAVIS Charge to L.D. DRILLING, INC.
Elevation 1908 KB Formation _____ ARB Effective Pay _____ Ft. Ticket No. _____
Date 08-23-16 Sec. 34 Twp. _____ 16 S Range _____ 12 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative Roger D. Friedly

Formation Test No. 5 Interval Tested from 3,372 ft. to 3,382 ft. Total Depth 3,382 ft.
Packer Depth 3,367 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,372 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,353 ft. Recorder Number 5588 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3,375 ft. Recorder Number 5515 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 7,700 P.P.M. Drill Pipe Length 3,350 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 10 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: 1/4" BLOW INCREASING TO BOTTOM OF BUCKET IN 23 MIN (WEAKBB)
2nd Open: WEAK SURFACE BLOW INCREASING TO BOTTOM OF BUCKET 29 1/2 MIN (NOBB)

Recovered 193 ft. of CLEAN OIL 33.5 GRAVITY @ 60 DEG
Recovered 63 ft. of OCWM 15%OIL,38%WTR,47%MUD
Recovered 256 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES 17,000 Ppm	
Recovered _____ ft. of _____	PH 8.0	Price Job
Recovered _____ ft. of _____	RW .4 @ 80%	Other Charges
Remarks: <u>TOOL SAMPLE: 50% OIL, 15% WTR, 35% MUD</u>		Insurance
		Total

Time Set Packer(s) 7:20 A.M. A.M. P.M. Time Started Off Bottom 10:20 A.M. A.M. P.M. Maximum Temperature 107

Initial Hydrostatic Pressure..... (A) 1,682 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 51 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1102 P.S.I.
Final Flow Period..... Minutes 45 (E) 55 P.S.I. to (F) 106 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1,063 P.S.I.
Final Hydrostatic Pressure..... (H) 1,621 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.

KIM B. SHOEMAKER
 CONSULTING GEOLOGIST
 316-584-9709 * WICHITA, KS

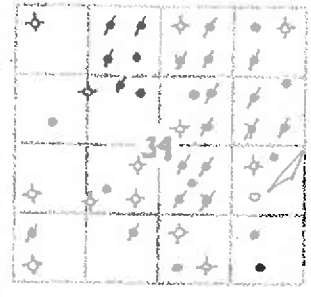
GEOLOGIST'S REPORT
 DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.
 LEASE # 3-34 JENISCH
 FIELD BEAVER SOUTH
 LOCATION 1650' FSL & 990' FEL
 SEC 34 TWP 16s RGE 12w
 COUNTY BARTON STATE KANSAS
 CONTRACTOR L. D. DRILLING, INC.
 SPUD 8-16-16 COMP 8-24-16
 RTD 3480 LTD 3476
 MUD UP 2564 TYPE MUD CHEMICAL

ELEVATIONS
 KB 1908
 DF
 CL 1903
 Measurements Are All
 From 1908 KB
 CASING
 SURFACE 8 5/8" @ 414'
 PRODUCTION 5 1/2" @
 ELECTRICAL SURVEYS
 DUAL IND, DENS.-H., MICRO

SAMPLES SAVED FROM 2700 TO 3480
 DRILLING TIME KEPT FROM 2600 TO 3480
 SAMPLES EXAMINED FROM 2700 TO 3480
 GEOLOGICAL SUPERVISION FROM 2900 TO 3480
 GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	786+1122	795± 1113
TOPEKA	2702- 994	2706- 798
HEEBNER	2984-1076	2989- 1081
BROWN LIME	3077- 1169	3081- 1173
LANSING	3096- 1188	3098- 1190
B/KC	3335- 1427	3335- 1427
ARBUCKLE	3352- 1444	3354- 1446



REMARKS

8-16-16 SPUD
 8-17 @ 415'
 8-18 @ 1760'
 8-19 @ 2564'
 8-20 @ 3000'
 8-21 @ 3305'
 8-22 @ 3361'
 8-23 @ 3382'
 8-24 @ 3480'

API: 15-009-26147

Stuck @ 2561 spotted oil.

LEGEND

- Anhydrite
- Sgk
- Sandstone
- Shale
- Dark sh
- Limbstone
- Col. L. sh
- Gyps
- Dolomite

DRILLING TIME IN MINUTES
 Rate of Penetration increases



LITHOLOGY

REMARKS

ANHYDRITE 795±1113

8/ANH 814±1094

850

850

2600

2700

2800

VS: 58
WT: 8.6
WL: 9.2
OIL: 5.00

OIL: 5.00

Samples are Logged

56.4-114 Silty

TOPEKA 2706-798

55.4-114 Silty

55.4 VS/BSS

55.4 VS/BSS

56.4

55.4 VS/BSS

55.4 VS/BSS

55.4 VS/BSS

55.4 VS/BSS

56.4 VS/BSS

56.4

56.4 Silty

55.4 VS/BSS



2900

3000

3100

3200

Sh. gy.
 43. G. sh. ss.
 sh. dk. alb.
 45. T. wh. foss.
 sh. gy.
 45. wh. sh. ss. clay.
 45. T. wh. sh. ss.
 45. T. wh. B. sh. ss. ch. ly.

HEEDNER 2989-1081
 sh. ss. clay.

sh. cr. black
 45. wh. sh. ss. clay

sh. sh.
 sh. blue. ss. - Ad. H. G. sh. ss.
 sh. blue. ss. - silty

sh. sh. blue. ss. - silty

sh. sh. blue. ss. - silty

BROWNLINE 3081-1175

45. blue. sh. ss.

sh. cr. black

LANSING 3088-1190

45. wh. sh. ss. clay. P. 10 p.
 45. wh. sh. ss. clay. P. 10 p.

45. wh. sh. ss. clay. P. 10 p.
 45. wh. sh. ss. clay. P. 10 p.

45. wh. sh. ss. clay. P. 10 p.
 45. wh. sh. ss. clay. P. 10 p.

45. wh. sh. ss. clay. P. 10 p.
 45. wh. sh. ss. clay. P. 10 p.

45. wh. sh. ss. clay. P. 10 p.
 45. wh. sh. ss. clay. P. 10 p.

45. wh. sh. ss. clay

45. wh. sh. ss. clay

45. T. wh. sh. ss. clay. P. 10 p.
 45. T. wh. sh. ss. clay. P. 10 p.

45. T. wh. sh. ss. clay. P. 10 p.

TORONTO

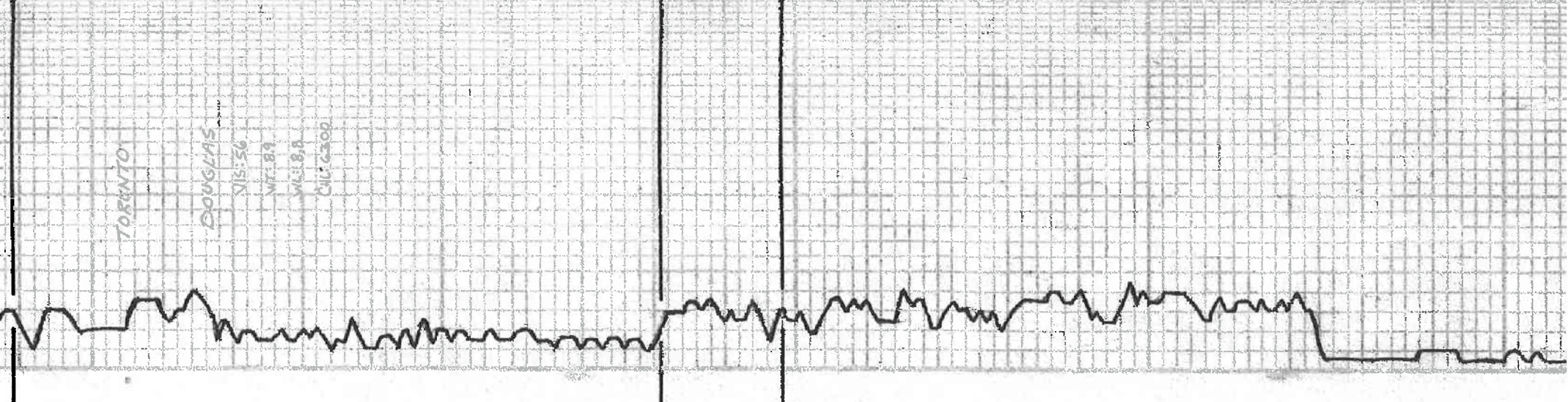
DOUGLAS

NIS-56

WT-89

MS-88

CU-2309





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 14031 A

DATE _____ TICKET NO. _____

DATE OF JOB: 8-24-16	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: C.D. DRILLING, INC	LEASE: JENISCH 3-34	WELL NO.:							
ADDRESS:	COUNTY: BARTON	STATE: KS							
CITY:	STATE:	SERVICE CREW: VG, MCLIRAN, GERARD							
AUTHORIZED BY:	JOB TYPE: CNW - LOW CEMENTS								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE: 8-24	AM	TIME
20920	1/2							PM	0600
19918	1/2							PM	1000
								AM	1100
								AM	1130
								AM	1200
								PM	75

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: Paul W. [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CF105	AM2 CEMENT	SK	150		2550.00
CF103	60/40 P02	SK	30		360.00
CC102	CELLULASE	Lb.	38		140.60
CC111	SAND	Lb.	816		408.00
CC113	BARITUM	Lb.	705		528.75
CC129	FHA-322	Lb.	113		847.50
CC201	CELSONITE	Lb.	900		603.00
CF607	5/8 LATCH DOWN PLUG	EA	1		400.00
CF1251	5/8 NEW FRONT JOBE	EA	1		360.00
CF1651	5/8 TURBOLEVER	EA	8		880.00
CF1901	5/8 BASKET	EA	1		290.00
CC151	MUD FLUSH	gal	1000		1500.00
E100	PUMP MILEAGE	mi.	75		337.50
E101	TRUCK MILEAGE	mi.	150		1125.00
E113	BULK DELIVERY	TM	626		1565.63
CE204	DEPTH CONTROL 3001-4000	EA	1		2160.00
CE240	BLENDING CHARGE	SK	180		252.60
CE504	PLUG CONTAINER	EA	1		250.00
5003	FERD JOE SUPERVISOR	EA	1		175.00

SUB TOTAL 14,732.98

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		2,366.49

SERVICE REPRESENTATIVE: [Signature]
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Paul W. [Signature]
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.:

BASIC

energy services, L.P.

TREATMENT REPORT

Customer	LD DRUMMOND, INC	Lease No.		Date	8-24-16
Lease	JENISCH	Well #	3-34		
Field Order #	1403	Station	PRATT, KS	Casing	5 1/2
Type Job	CNW - LOW C STRONG	Depth	3463	County	BARTON
		Formation	TB-3480	State	KS
				Legal Description	34-16-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
3 1/2				Pre Pad				5 Min.
Depth	Depth	From	To	Pad				10 Min.
3463				Frac				15 Min.
Volume	Volume	From	To					
Max Press	Max Press	From	To					
Well Connection	Annulus Vol.	From	To					
Flush Depth	Packer Depth	From	To	Flush				
3450								

Customer Representative	ROCK	Station Manager	KEVIN	Treater	CONOLEY
Service Units	83353	33708-20920	19889-19918		
Driver Names	KG	MCDONNAN	CHAZZ		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0800					ON LOCATION 14' STREET RUN 3481' 5 1/2" I.S.C. FLOAT SHOE, LATCH BATTLE CENT-1-2-3-4-6-8-10-12 BASKET - BOTTOM OF #5 TAG BOTTOM - DROP BALL - CIRC.
1100			24		PUMP 24 bbl MUD FLUSH
			5		PUMP 5 bbl H2O
			41		MIX 150 SK AAZ CEMENT 10% SAG, 10% CYPSON, .8% FLA 6# CILSONITE, 1/4# CEFITAKE STOP - WASH LINE - DROP PUMP START DISP.
	0	0	0	0	HIFT CEMENT
	200	60	200	200	SLOW RATE
	600	77	600	600	PUMP DOWN - HOLD
1130	1250	82 1/2	1250	1250	PUMP RATE - 30 SK 60/40 P02
1200					JOB COMPLETE - KEVIN

L. D. DRILLING, INC.

7 SW 26th Avenue
GREAT BEND, KS 67530

TD-3480

Customer L.D. Drilling Inc. Order _____

Lease Jenisch 3-34 Date 8-23

Description of Pipe 5 1/2

Amount 84 + 1 short one

Jts.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
1	40	03	37	38	41	10				
2	41	07	41	90	42	00				
3	41	09	41	80	41	95				
4	41	11	37	23	40	58				
5	42	06	41	13	41	07				
6	39	18	37	17	40	16				
7	42	58	43	12	41	12				
8	43	10	41	09	39	20				
9	43	08	37	27	43	14				
10	39	92	41	67	39	63				
11	41	17	41	26	40	02				
12	43	13	41	11	41	25				
13	41	14	41	12	40	58				
14	41	34	41	43	41	10				
15	41	20	37	81	41	12				
16	38	84	36	37	41	32				
17	40	04	41	81	41	07				
18	43	13	38	78	39	97				
19	39	88	37	56	40	74				
20	41	07	43	18	41	15				
21	36	46	42	57	39	99	on the ground			
22	41	93	43	13	40	58		14	06	
23	30	34	43	10	41	09				
24	40	17	37	64	41	33				
25	40	15	42	75	43	10	- NOT IN TALLY			
26	38	16	41	98						
27	43	09	43	16						
28	43	13	42	38						
29	43	08	37	21						
30	42	05	42	57						
Total										

3481.07

TOTAL PIECES _____ LENGTH _____ FEET _____ INCHES _____

RECEIVED BY _____ TALLIED BY _____

Customer	LD DRILL INC, INC	Lease No.	DNC	Date	8-17-16		
Lease	JENDSCH	Well #	3-34				
Field Order	14027	Station	PRATT, KS	Casing	8 3/8	Depth	414
Type Job	CWIN - SURFACE		Formation	County	BARTON	State	KS
						Legal Description	34-16-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
8 3/8				Pre Pad		Max		5 Min.
Depth	Depth	From	To	Pad		Min		10 Min.
414				Frac		Avg		15 Min.
Volume	Volume	From	To			HHP Used		Annulus Pressure
				Flush		Gas Volume		Total Load

Customer Representative	ROCK	Station Manager	HERSON	Treater	COORDINATOR
Service Units	83353	33708-20920		9959-21010	
Driver Names	KS	JAKE		SPARKS	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2300					ON LOCATION 8/16
					RUN 417' 8 3/8 CSE
					SET AT 414'
					BREAK CIRC
0000	200		64	6	MIX CEMENT
					300 SPEARS 60/40 P02
					2% GEL, 3% CC, 1/4" C.F.
					STOP - DROP WAS PING
	0		0	5	START DIST
0030	200		25	5	PING DOWN
					CIRCL 10 bbl CEMENT TO SET
0130					JOB COMPLETE - HERSON