



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1247195
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: _____



1247195

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

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

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

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

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

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

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

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

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

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

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

Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <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	WATT 2-10
Doc ID	1247195

Tops

Name	Top	Datum
ANHYDRITE	2137	+590
BASE ANHYDRITE	2165	+562
STOTLER	3398	-671
HEEBNER	3782	-1055
LANSING	3820	-1093
STARK	4074	-1347
MARMATON	4185	-1458
FORT SCOTT	4328	-1601
CHEROKEE	4352	-1625
MISSISSIPPI	4420	-1693

DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	Representative	TIM VENTERS
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	WATT #2-10	Report Date	2015/01/10
Unique Well ID	DST #1, LKC "K-L", 4068-4130	Prepared By	TIM VENTERS
Surface Location	SEC 10-16S-30W, LANE CO. KS.	Qualified By	KIM SHOEMAKER
Field	DOLL EAST		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #1, LKC "K-L", 4068-4130		
Well Fluid Type	01 Oil		
Start Test Date	2015/01/09	Start Test Time	16:42:00
Final Test Date	2015/01/10	Final Test Time	01:02:00

Test Recovery:

RECOVERED: 210' GAS IN PIPE
165' SMCO, 99% OIL, 1% MUD, GRAVITY: 35
315' M&WCO, 46% OIL, 36% WATER, 18% MUD
315' G,HWMCO, 6% GAS, 46% OIL, 30% WATER, 18% MUD
505' SMOCW, 24% OIL, 68% WATER, 8% MUD
1300' TOTAL FLUID

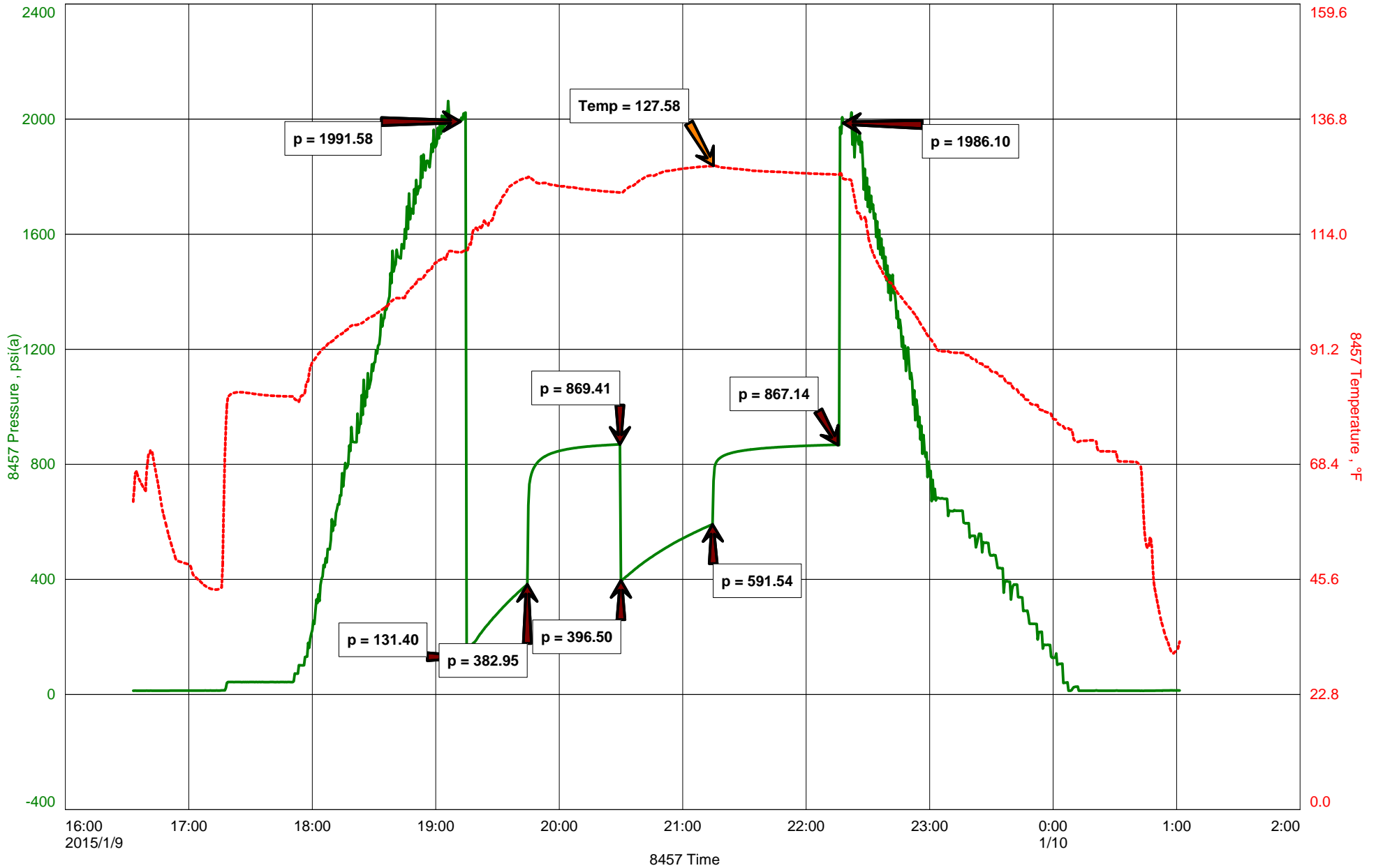
TOOL SAMPLE: 9% OIL, 85% WATER, 6% MUD

CHLORIDES: 34,000 ppm
PH: 7.0
RW: .21 @ 86 deg.

L.D. DRILLING, INC.
DST #1, LKC "K-L", 4068-4130
Start Test Date: 2015/01/09
Final Test Date: 2015/01/10

WATT #2-10
Formation: DST #1, LKC "K-L", 4068-4130
Pool: DOLL EAST
Job Number: T430

WATT #2-10





DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: WATT2-10DST1

TIME ON: 16:37 1-9-15
 TIME OFF: 01:02 1-10-15

Company L.D. DRILLING, INC. Lease & Well No. WATT #2-10
 Contractor WW DRILLING, LLC RIG #2 Charge to L.D. DRILLING, INC.
 Elevation 2727 KB Formation LKC "K-L" Effective Pay _____ Ft. Ticket No. T430
 Date 1-9-15 Sec. 10 Twp. 16 S Range 30 W County LANE State KANSAS
 Test Approved By KIM SHOEMAKERQ Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 4068 ft. to 4130 ft. Total Depth 4130 ft.

Packer Depth 4063 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4068 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4054 ft. Recorder Number 5504 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4127 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

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

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Weight 8.9 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 2,400 P.P.M. Drill Pipe Length 3917 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 2 Test Tool Length 28 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 30 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{32' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD 2 INCH BLOW, BUILDING, REACHING BOB 2 1/2 MIN. (1 1/2" BB)

2nd Open: WEAK SURFACE BLOW, BUILDING, REACHING BOB 6 1/2 MIN. (1 1/2" BB)

Recovered 210 ft. of GAS IN PIPE

Recovered 165 ft. of SMCO, 99% OIL, 1% MUD, GRAVITY: 35

Recovered 315 ft. of M&WCO, 46% OIL, 36% WATER, 18% MUD

Recovered 315 ft. of G,HWMCO, 6% GAS, 46% OIL, 30% WATER, 18% MUD

Recovered 505 ft. of SMOCW, 24% OIL, 68% WATER, 8% MUD

Recovered 1300 ft. of TOTAL FLUID CHLORIDES: 34,000 ppm

Remarks: _____ PH: 7.0

RW: .21 @ 86 deg.

TOOL SAMPLE: 9% OIL, 85% WATER, 6% MUD Total

Time Set Packer(s) 7:15 PM A.M. P.M. Time Started Off Bottom 10:15 PM A.M. P.M. Maximum Temperature 128 deg.

Initial Hydrostatic Pressure..... (A) 1992 P.S.I.

Initial Flow Period..... Minutes 30 (B) 131 P.S.I. to (C) 383 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 869 P.S.I.

Final Flow Period..... Minutes 45 (E) 397 P.S.I. to (F) 592 P.S.I.

Final Closed In Period..... Minutes 60 (G) 867 P.S.I.

Final Hydrostatic Pressure..... (H) 1986 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

General Information Report

General Information

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name WATT #2-10
Unique Well ID DST #2, PAWN./MYR ST., 4268-4320
Surface Location SEC 10-16S-30W, LANE CO. KS.
Field DOLL EAST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, PAWN./MYR. ST., 4268-4320
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator L.D. DRILLING, INC.
Report Date 2014/01/11
Prepared By TIM VENTERS
Qualified By KIM SHOEMAKER

Start Test Date 2014/01/10
Final Test Date
Gauge Name
Gauge Serial Number

Start Test Time 18:37:00
Final Test Time

Test Recovery:

RECOVERED: 10' MUD

TOOL SAMPLE: SPOTTY OIL, 100% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WATT2-10DST2

TIME ON: 18:37
TIME OFF: _____

Company L.D. DRILLING, INC. Lease & Well No. WATT #2-10
Contractor WW DRILLING, LLC RIG #2 Charge to L.D. DRILLING, INC.
Elevation 2727 KB Formation PAWNEE/MYRICK ST. Effective Pay _____ Ft. Ticket No. T431
Date 1-10-15 Sec. 10 Twp. _____ 16 S Range _____ 30 W County LANE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 4268 ft. to 4320 ft. Total Depth 4320 ft.
Packer Depth 4263 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4268 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4249 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4317 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 7.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,500 P.P.M. Drill Pipe Length 4117 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 2 Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 21 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: VERY WEAK SURFACE BLOW, LASTING 4 MIN. (NO BB)
2nd Open: NO BLOW THROUGHOUT PERIOD. (NO BB)

Recovered 10 ft. of MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: <u>I FORGOT TO PUT ELEC. RECORDERS IN.</u>	Price Job
	Other Charges
	Insurance
<u>TOOL SAMPLE: SPOTTY OIL, 100% MUD</u>	Total

Time Set Packer(s) 8:16 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 10:16 PM ^{A.M.}/_{P.M.} Maximum Temperature _____

Initial Hydrostatic Pressure..... (A) 1828 P.S.I.
Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 8 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 10 P.S.I.
Final Flow Period..... Minutes 30 (E) 8 P.S.I. to (F) 8 P.S.I.
Final Closed In Period..... Minutes 30 (G) 5 P.S.I.
Final Hydrostatic Pressure..... (H) 1828 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

General Information Report

General Information

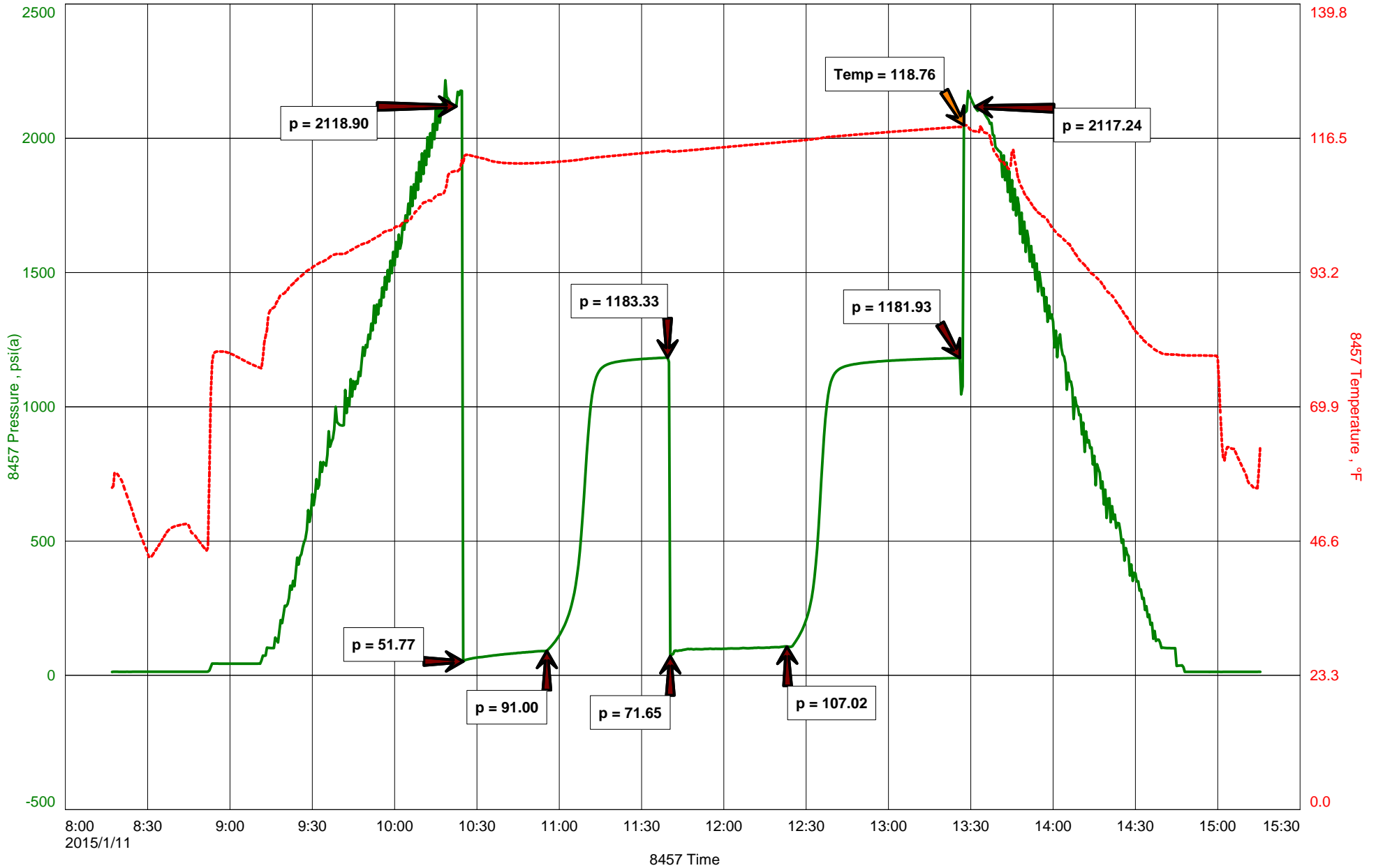
Company Name	L.D. DRILLING, INC.	Representative	TIM VENTERS
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	WATT #2-10	Report Date	2015/01/11
Unique Well ID	DST #3, FT. SCT./CHER., 4318-4370	Prepared By	TIM VENTERS
Surface Location	SEC 10-16S-30W, LANE CO. KS.	Qualified By	KIM SHOEMAKER
Field	DOLL EAST		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #3, FT. SCT./CHER., 4318-4370		
Well Fluid Type	01 Oil		
Start Test Date	2015/01/11	Start Test Time	08:17:00
Final Test Date	2015/01/11	Final Test Time	15:16:00

Test Recovery:

RECOVERED: 780' GIP
20' CO, 100% OIL, GRAVITY: 36
145' G, HMCO, 8% GAS, 54% OIL, 38% MUD
165' TOTAL FLUID

TOOL SAMPLE: 98% OIL, 2% MUD

WATT #2-10





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WATT2-10DST3

TIME ON: 08:17
TIME OFF: 15:16

Company L.D. DRILLING, INC. Lease & Well No. WATT #2-10
Contractor WW DRILLING, LLC RIG #2 Charge to L.D. DRILLING, INC.
Elevation 2727 KB Formation FT. SCOTT/CHEROKEE Effective Pay _____ Ft. Ticket No. T432
Date 1-11-15 Sec. 10 Twp. _____ 16 S Range _____ 30 W County LANE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 4318 ft. to 4370 ft. Total Depth 4370 ft.
Packer Depth 4313 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4318 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4299 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4367 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1,200 P.P.M. Drill Pipe Length 4167 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 2 Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{32' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4 INCH BLOW, BUILDING, REACHING BOB 24 MIN. (NO BB)
2nd Open: GOOD 2 1/2 INCH BLOW, BUILDING, REACHING BOB 3 1/2 MIN. (NO BB)

Recovered 780 ft. of GAS IN PIPE
Recovered 20 ft. of CO, 100% OIL, GRAVITY: 36
Recovered 145 ft. of G,HMCO, 8% GAS, 54% OIL, 38% MUD
Recovered 165 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 98% OIL, 2% MUD	Total

Time Set Packer(s) 10:25 AM ^{A.M.} P.M. Time Started Off Bottom 1:25 PM ^{A.M.} P.M. Maximum Temperature 119 deg.

Initial Hydrostatic Pressure..... (A) 2119 P.S.I.
Initial Flow Period..... Minutes 30 (B) 52 P.S.I. to (C) 91 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1183 P.S.I.
Final Flow Period..... Minutes 45 (E) 72 P.S.I. to (F) 107 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1182 P.S.I.
Final Hydrostatic Pressure..... (H) 2117 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

General Information Report

General Information

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name WATT #2-10
Unique Well ID DST #4, JOHNSON, 4368-4417
Surface Location SEC 10-16S-30W, LANE CO. KS.
Field DOLL EAST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #4, JOHNSON, 4368-4417
Well Fluid Type 01 Oil

Start Test Date 2015/01/11
Final Test Date 2015/01/12

Representative TIM VENTERS
Well Operator L.D. DRILLING, INC.
Report Date 2015/01/12
Prepared By TIM VENTERS

Qualified By KIM SHOEMAKER

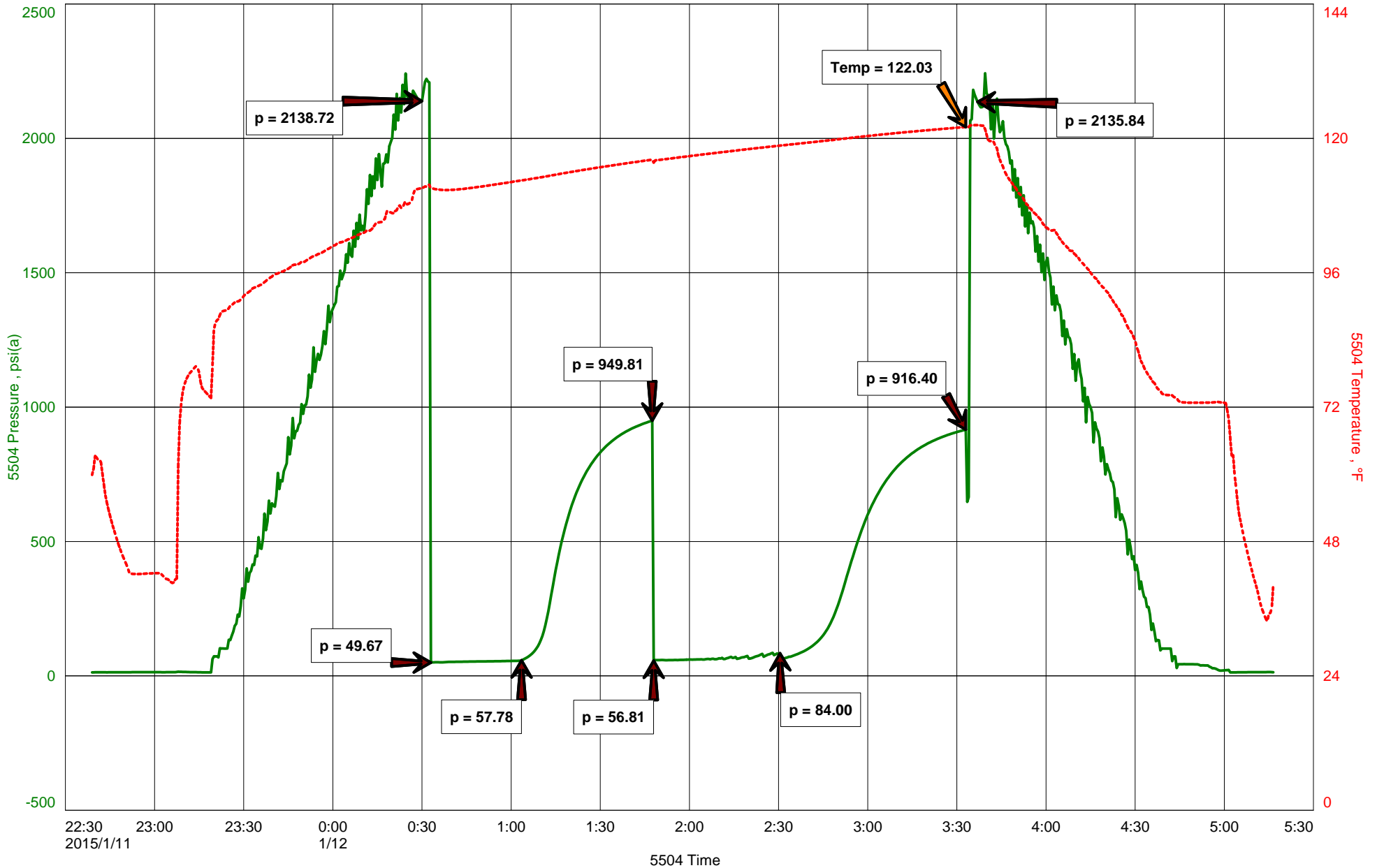
Start Test Time 22:39:00
Final Test Time 05:17:00

Test Recovery:

RECOVERED: 10' SOCM, 2% OIL, 98% MUD

TOOL SAMPLE: 2% OIL, 98% MUD

WATT #2-10





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WATT2-10DST4

TIME ON: 22:39 1-12-15
TIME OFF: 05:17 1-12-15

Company L.D. DRILLING, INC. Lease & Well No. WATT #2-10
Contractor WW DRILLING, LLC RIG #2 Charge to L.D. DRILLING, INC.
Elevation 2727 KB Formation JOHNSON Effective Pay _____ Ft. Ticket No. T433
Date 1-12-15 Sec. 10 Twp. 16 S Range 30 W County LANE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 4368 ft. to 4417 ft. Total Depth 4417 ft.
Packer Depth 4363 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4368 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4349 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4414 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1,200 P.P.M. Drill Pipe Length 4217 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 2 Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 17 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{32' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4 INCH BLOW, BUILDING TO 1 INCH. (NO BB)
2nd Open: NO BLOW THROUGHOUT PERIOD. (NO BB)

Recovered <u>10</u> ft. of <u>SOCM, 2% OIL, 98% MUD</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>2% OIL, 98% MUD</u>	Total

Time Set Packer(s) 12:33 AM A.M. P.M. Time Started Off Bottom 3:33 AM A.M. P.M. Maximum Temperature 122 deg.
Initial Hydrostatic Pressure..... (A) 2139 P.S.I.
Initial Flow Period..... Minutes 30 (B) 50 P.S.I. to (C) 58 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 950 P.S.I.
Final Flow Period..... Minutes 45 (E) 57 P.S.I. to (F) 84 P.S.I.
Final Closed In Period..... Minutes 60 (G) 916 P.S.I.
Final Hydrostatic Pressure..... (H) 2136 P.S.I.

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KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L.D. DRILLING, INC.

LEASE * 2-10 WAT.

FIELD DOLL EAST

LOCATION 2300' FSL & 1850' EWL

SEC 10 TWPSP 16s RGE 30w

COUNTY LANE STATE KANSAS

CONTRACTOR WW DRILLING RIG 2

SPUD 1-5-15 COMP 1-13-15

RTD 4530 LTD 4530

MUD UP 3412 TYPE MUD CHEMICAL

ELEVATIONS

KB 2727

DF _____

GI 2722

Measurements Are All From 2727 KB

CASING
SURFACE 8 5/8" @ 291'
PRODUCTION 5 1/2" @

ELECTRICAL SURVEYS
DUAL IND, DENSN., MIRO

SAMPLES SAVED FROM 3600 TO 4530

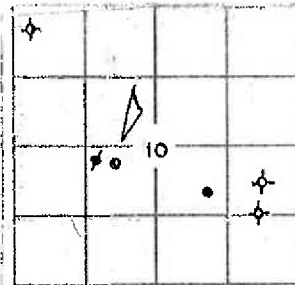
DRILLING TIME KEPT FROM 3300 TO 4530

SAMPLES EXAMINED FROM 3600 TO 4530

GEOLOGICAL SUPERVISION FROM 3700 TO 4530

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	2137±590	2129±598
B/ANK.	2165±562	2163±564
STOTLER	3398-671	3397-670
HEEBNER	3782-1055	3780-1053
LANSING	3820-1093	3814-1087
STARK	4074-1347	4073-1346
MARMATON	4185-1458	4184-1457
FORT SCOTT	4328-1601	4327-1600
CHEROKEE	4352-1625	4351-1624
MISSISSIPPI	4420-1693	4425-1698



ARI: 15-101-22557

REMARKS

1-5-15 SPUD
1-6 @ 935'
1-7 @ 2700'
1-8 @ 3425'
1-9 @ 4065'
1-10 @ 4195'
1-11 @ 4370'
1-12 @ 4417'
1-13 @ 4530'

LEGEND

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

SHOF01-11

DRILLING TIME IN MINUTES
PER FOOT
Rate of Penetration Increases

5" 10" 15" 20" 25"
DEPTH
2100

LITHOLOGY

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE 2129±598

B/ANK. 2163±564

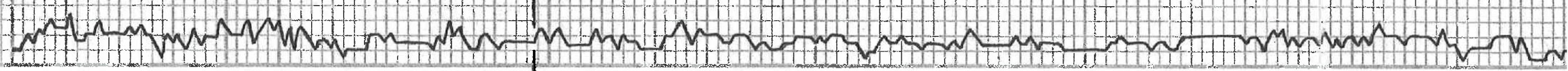
3300

3400

3500

STOYLER 3397-670

V/5: 79



VIS 79
WT: 8.6
MC: 8.8
CM: 2400

3600

3700

3800

3900

SAMPLES ARE LAGED

Sh. Clay
15. Tr. Foss. A

Sh. Clay
15. W. Si. Foss. Y. Chlky.

15. Bl. Si. Foss.

Sh. BL. DIE Gy.
Sh. H. Clay. Gy.

15. Gy. V. Si. Foss.
15. W. Foss. D. Lith. Si. Chlky.

Sh. A. Gy.
15. W. V. Si. Foss. Si. A.

15. Tr. Foss. Si. A.

15. W. Foss. Sh. Chlky.

15. Bl. Gy. V. Si. Foss.

15. Tr. Foss. Si. A.

15. W. Chlky.
15. Tr. Foss. V. Si. Foss. Chlky.

HEESNER 3780-1053
Sh. BL. DIE Gy.
15. Bl. Si. Foss.

Sh. LG. Blue Gr.
15. W. V. Si. Foss.
A. W.

LANSTING 3814-1087
Sh. Bl.
15. W. Si. Foss. Bl. Si. A.

15. W. Si. Chlky.
Sh. DIE Gy.
15. Tr. Foss. Si. A.

Sh. Bl.
15. W. Foss. Si. A.

Sh. Gy.
15. Tr. Foss. V. Si. Foss. Si. A.

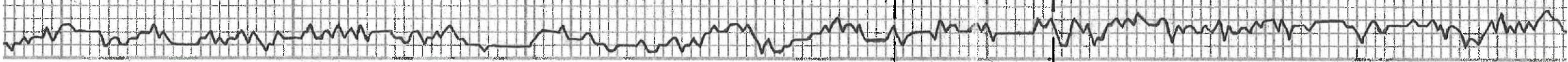
15. A. Gy. V. Si. Foss.

Sh. DIE Gy.
15. W. Foss. Si. A.
Sh. LG.
15. Tr. Foss. Si. A.

TORONTO

LANSTING LOG

KANSAS CITY



LS. Tuffly, claystone

LS. wt. Chalky

LS. Tuff. Das.

LS. G. Das.

MUNCIE CREEK 3983-7256

LS. Blk. Carb.

Sh. Ltg.

LS. Tuff. V. Sil. Foss. Sil. A. Das.

LS. Tuff. Y. Sil. Foss. Sil. A. Das.

Sh. Blk. Carb.

LS. Bl. V. Sil. Foss. Chalky

LS. wt. V. Sil. Foss. Sil. A. V. Sil. Chalky

LS. Tuff. Sil. A. Das.

Sh. Reddy

A. Dark. Sil. Foss.

LS. Tuff. Sil. Foss. Sil. A.

LS. G.

STARK 4073-7346

Sh. Blk. Carb.

LS. Dark. V. Sil. Foss.

LS. wt. Ltg. Foss. g. Sil. Foss. V. Sil. Foss. Sil. A. Das.

LS. wt. Ltg. Foss. Sil. A. V. Sil. Chalky

LS. G. Tuff. Das.

LS. Tuff. Sil. Chalky

HUSKMANEY 4112-7385

Sh. Blk. Carb.

LS. Bl. Foss. Ltg. & H. R. Sil. Foss. Sil. A. Das.

Sh. Ltg.

LS. Ltg. V. Sil. Foss. V. Sil. Chalky

LS. wt. V. Chalky

LS. wt. Sil. Foss. Sil. Chalky

BLK 4156-7429

Sh. G.

LS. wt. Sil. Foss. Sil. Chalky

Sh. Bl. Silky. Sil. V. Sil. A.

MARMATON 4181-7457

LS. Tuff. Sil. Foss. Foss. Calc. Sil. A.

Sh. Ltg. Carb.

Sh. Ltg. Bl. Carb.

LS. G. Silky. Bl. Sil. Foss.

LS. Ltg. Bl. Sil. Foss.

Sh. Ltg.

LS. Ltg. Sil. A.

Sh. Ltg. Sil. A.

LS. Tuff. V. Sil. Foss. Sil. A.

LS. wt. Sil. Foss. Tuff. Blk. Carb.

DST (1) 4068-4130

16' open: Bottom bucket 2 1/2 min.

24' open: " 6 1/2 "

30-45-45-60 58' 1/2 "

58' "

Rec. 210' GIP US CO (99/01/1/4) 35' Grav.

315 RWCO (167.0) 24.3 18.4

315 GMWO (07.0) 48.0 30.0 18.0

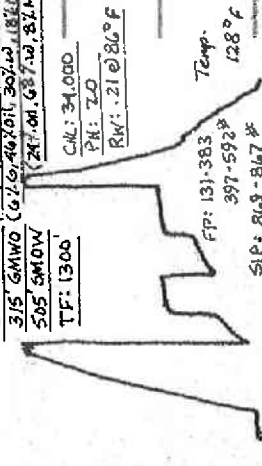
505 SMDV 247.0 68.7 20.8 18.0

TF: 1300

CM: 34.000

PH: 7.0

RW: 21 @ 80°F



Tool Sample: 9:01:55: w 67' Mud

VIS: 53
WFI: 89
WL: 8.0
CML: 2400

DST (2) 4248-4320

17' open: Surface Bowed 4 min.

24' open: No Blow

30-30-30-30

* Mechanical Recorder

No. Electromech. Rec. 10' Mud

4000

4100

4200

VIS: 53
WFI: 89
WL: 8.0
CML: 2400



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 11906 A

10-16-30

DATE _____ TICKET NO. _____

DATE OF JOB <u>1-13-15</u> DISTRICT <u>Pratt</u>		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 <u>LD Drilling</u>		LEASE <u>WATT</u>		WELL NO. <u>210</u>					
ADDRESS		COUNTY <u>LANE</u>		STATE <u>KS</u>					
CITY STATE		SERVICE CREW <u>MATTAL, McGraw, COBB, Beatty</u>							
AUTHORIZED BY		JOB TYPE: <u>CNW 5 1/2 2 STAYS LONG STRING</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>37586</u>	<u>2.5</u>						<u>1-12-15</u>		<u>10:45</u>
		<u>70959/21010</u>	<u>2.5</u>						<u>5:55</u>
<u>77686/19905</u>	<u>2.5</u>								<u>7:58</u>
		<u>19905</u>	<u>2.5</u>						<u>10:00</u>
<u>79889/19918</u>	<u>2.5</u>								<u>11:30</u>
						RELEASED		AM	
						MILES FROM STATION TO WELL			<u>100</u>

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: LD DAVIS BY: KEVIN
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	AA-2 CNT	SK	160		2,720 00
CP 101	A-COR Glenn	SK	325		5,850 00
CP 103	60/40 POZ	SK	30		360 00
CF 401	TWO STAGE CNT COW	EA	1		6,100 00
CF 601	5 1/2 LATELY DOWN PLUG 1 ASSY	EA	1		850 00
CF 1251	AUTO FILL FLOAT SWO	EA	1		360 00
CF 1651	TRUDOLIZ	EA	7		770 00
CF 1901	OBASCI	EA	1		290 00
CC 102	Zelloflour	lb	121		447 70
CC 109	Calcium Chloride	lb	918		963 90
CC 111	SALT	lb	873		436 50
CC 113	Syrsum	lb	755		566 25
CC 129	FIA 322	lb	121		907 50
CC 201	Gilsonite	lb	960		643 20

SUB TOTAL

CHEMICAL / ACID DATA:			

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

TOTAL

BW

SERVICE REPRESENTATIVE MIKE MATTAL THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: LD DAVIS BY: KEVIN
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

Customer L D Phillips	Lease No.	Date 1-13-15
Lease WATT	Well # 2-10	
Field Order # 11906	Station P.ATT	Casing 5 1/2
		Depth
Type Job CNW 5 1/2 2 stage long string	Formation	County Lanc
		State KS
		Legal Description

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	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	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater
Service Units		
Driver Names		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:10	200	}	—	6	START DISPERMINANT
10:17	450		42	3.5	SLOW TIME
10:20	1500		52	—	PLUG DOWN, 1.5 MIN + 100
					25 HHP AND 10 FT
					CIRCULATION THRU JOB
					JOB COMPLETE
					THANK YOU!
					ALVIN MURPHY
					MIKE + COLLETTA



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 11550 A


10-16-30

DATE _____ TICKET NO. _____

DATE OF JOB 1-5-15		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 Inc				LEASE Watt				DATE 2-10				WELL NO.			
ADDRESS				COUNTY Lane				STATE KS							
CITY				STATE				SERVICE CREW Shawn Riley Joe							
AUTHORIZED BY				JOB TYPE: CDW 8 5/8 Surface											
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED		DATE 1-5-15		TIME 12:00					
33708-20920	30 min					ARRIVED AT JOB				17:00					
19826-21010	30 min					START OPERATION				18:36					
92911						FINISH OPERATION				18:00					
						RELEASED				19:00					
						MILES FROM STATION TO WELL				100					

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)

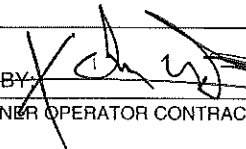
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	60/40 Poz	SK	300		3,600 00
CC 102	cellos lake	lb	75		277 56
CC 109	Calcium Chloride	lb	774		812 70
CF 153	Wooden Plug	eg	1		160 00
E 100	Pickup mileage	mi	100		450 00
E 101	Heavy Equipment	mi	200		1500 00
E 113	Bulk Delivery	Tm	1290		3225 66
CE 200	Depth Charge	4hr	1		1,000 00
CE 240	Mixing Charge	SK	300		420 00
CE 504	Plug Container	JOB	1		250 00
S 003	Supervisor	eg	1		175 00

SUB TOTAL **11,870 20**

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
Discount		TOTAL	7,950 74
		KG	

SERVICE REPRESENTATIVE 

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: 
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer LD Drilling	Lease No.	Date 1-5-2015
Lease Watt	Well # 2-10	
Field Order # 11550 Station	Casing 8 5/8 Depth 292	County Lane State KS
Type Job CDW 8 5/8 Surface	Formation	Legal Description 10-16-30

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing 8 5/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 292	Depth	From	To	Pre Pad	Max		5 Min.
Volume 17	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 292	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative Lanny	Station Manager Kevin	Treater JOE
Service Units 33708 20920	9826 21010	9290
Driver Names Shawn	Riley Osborn	JOE

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1700					ONLOC / safety meeting
1710					CSG on bottom upon arrival
1730					Hook up to circ
1730			5	5.5	Hook up to start job
			64		H2O spacer
	100		17	5.5	Mix 300 slt 60/40 P02 @ 14.8#
			0	5	Disp.
			0	3	Plug & Release Plug
			0	3	cement to surface
1800	300		17	3	Plug down
					17 BBL cement pump to pit
					JOB complete
					Thank you JOE