



KANSAS CORPORATION COMMISSION 1048618  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039  
Name: L.D. Drilling, Inc.  
Address 1: 7 SW 26TH AVE  
Address 2: \_\_\_\_\_  
City: GREAT BEND State: KS Zip: 67530 + 6525  
Contact Person: L. D. DAVIS  
Phone: (620) 793-3051  
CONTRACTOR: License # 5822  
Name: Val Energy, Inc.  
Wellsite Geologist: KIM SHOEMAKER  
Purchaser: \_\_\_\_\_

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
04/28/2010    05/08/2010    05/08/2010  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-063-21814-00-00  
Spot Description:  
W2 NW SE NE Sec. 19 Twp. 15 S. R. 29  East  West  
1,650 Feet from  North /  South Line of Section  
1,080 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Gove  
Lease Name: #1-19 YORK Well #: 1  
Field Name: YORK  
Producing Formation: NA  
Elevation: Ground: 2557 Kelly Bushing: 2563  
Total Depth: 4285 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 342 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: 2800 ppm Fluid volume: 0000 bbls  
Dewatering method used: Evaporated  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution RIA  
ALT  I  II  III Approved by: Deanna Garrison Date: 12/29/2010



1048618

Operator Name: L.D. Drilling, Inc. Lease Name: #1-19 YORK Well #: 1  
 Sec. 19 Twp. 15 S. R. 29  East  West County: Gove

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

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Attached Top Attached Datum Attached
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CASING RECORD <input checked="" 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
SURFACE	12.25	8.625	24	342	COMMON	225	2%Gel,3%CC,1/4#CF

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> 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 (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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L.D. Drilling, Inc.
Well Name	#1-19 YORK 1
Doc ID	1048618

Tops

ANHYDRITE	1974	+589
BASE ANHYDRITE	2005	+558
STOTLER	3234	-671
HEEBNER	3605	-1042
LANSING	3641	-1078
STARK	3906	-1343
MARMATON	4004	-1441
FORT SCOTT	4157	-1594
CHEROKEE	4181	-1618
MISSISSIPPI	4251	-1688
RTD	4285	-1722

# ALLIED CEMENTING CO., LLC. 039295

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665.

SERVICE POINT:  
Oakley

DATE <u>5-8-10</u>	SEC <u>19</u>	TWP. <u>15</u>	RANGE <u>29</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00pm</u>	JOB FINISH <u>3:00pm</u>
LEASE <u>York</u>	WELL# <u>1-19</u>	LOCATION <u>Healy 9N 1E 34 NE 100</u>			COUNTY <u>Gove</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Val Rig 4  
 TYPE OF JOB PTA  
 HOLE SIZE 7 7/8 T.D. 4285'  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 DEPTH 1990'  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER Same  
 CEMENT  
 AMOUNT ORDERED 220 SKS @ 40 4/8" 14" Flo-seal

COMMON	<u>132 SKS</u>	@ <u>15.45</u>	<u>2039.40</u>
POZMIX	<u>88 SKS</u>	@ <u>8.00</u>	<u>704.00</u>
GEL	<u>8 SKS</u>	@ <u>20.80</u>	<u>166.40</u>
CHLORIDE		@	
ASC		@	
	<u>Flo-seal 5.5"</u>	@ <u>2.50</u>	<u>137.50</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>230 SKS</u>	@ <u>2.40</u>	<u>552.00</u>
MILEAGE	<u>10<sup>1/2</sup> sk/mile</u>		<u>1380.00</u>
			TOTAL <u>4979.30</u>

EQUIPMENT

PUMP TRUCK CEMENTER Andrew  
 # 423-281 HELPER Larcae  
 BULK TRUCK  
 # 322 DRIVER Darrin  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:  
25 SKS @ 1990'  
100 SKS @ 930'  
40 SKS @ 390'  
10 SKS @ 40'  
15 SKS mouse hole  
30 SKS rat hole  
Thank you

SERVICE

DEPTH OF JOB 1990'  
 PUMP TRUCK CHARGE \_\_\_\_\_ 1017.00  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE 60 miles @ 7.00 420.00  
 MANIFOLD @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 TOTAL 1437.00

CHARGE TO: L D Drilling  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

8 1/8  
1 Dry hole plug @ ~~20.00~~ 40.00  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 TOTAL 40.00

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

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

PRINTED NAME \_\_\_\_\_  
 SIGNATURE [Signature]



**BASIC**

ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 1717 A

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

DATE OF JOB 4-29-10		DISTRICT KANSAS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER L. D. Drilling INC.				LEASE York		1-19		WELL NO.	
ADDRESS				COUNTY Gove		19-15-29		STATE KANS.	
CITY				STATE		SERVICE CREW A. Warth, C. Vench, M. Wall			
AUTHORIZED BY				JOB TYPE: 8 5/8 Surface					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28443 P.U.	1/2						4-28-10	PM	6:00
27463 P.T.	1/2					ARRIVED AT JOB	4-28-10	AM	9:00
19832-21010	1/2					START OPERATION	4-29-10	AM	
						FINISH OPERATION	4-29-10	PM	4:30
						RELEASED	4-29-10	AM	5:00
						MILES FROM STATION TO WELL	108		6:00

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
CP100	Common		225 SK		\$ 3600.00
CC102	CELL FLAKE		62-1b		\$ 229.40
CC105	CALCIUM CHLORIDE		626-1b		\$ 667.80
CC 200	Cement Gel		424-1b		\$ 106.00
CF153	Wooden cement Plug 8 5/8"		1-5A		\$ 160.00
E100	Unit mileage chg. Pickup		100-mi		\$ 425.00
E101	Heavy Equip mileage		200-m		\$ 1400.00
E113	Bulk Oil. Chg.		1260-7m		\$ 1696.00
CF200	Depth Charge 0-500'		1-4hrs		\$ 1000.00
CF240	Blending & mixing Service chg.		275-SK		\$ 315.00
CF 504	Plug container Utilization chg.		1-Sub		\$ 250.00
5003	Service Supervisor first 8 hrs on loc		1-2A		\$ 175.00

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		\$ 5712.58

SERVICE REPRESENTATIVE Allen F. Warth	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY _____
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FIELD SERVICE ORDER NO. \_\_\_\_\_

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <b>L.O. Drilling Inc.</b>	Lease No.	Date <b>4-29-10</b>
Lease <b>York</b>	Well # <b>1-19</b>	
Field Order # <b>17181717A</b>	Station <b>Pratt KS</b>	Casing <b>8 5/8</b>
		Depth <b>342</b>
Type Job <b>8 3/8 SURFACE</b>	Formation <b>CNW</b>	County <b>GOVE</b>
		State <b>KANS.</b>
		Legal Description <b>19-15-29</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size <b>8 5/8</b>	Tubing Size	Shots/Ft	<b>225 SK</b>	Acid	<b>Common 20% HCl</b>	RATE	PRESS
Depth <b>342</b>	Depth	From	To <b>15.0</b>	Pre Pad	<b>1.36 yd</b>		ISIP
Volume <b>20.6 Bbl</b>	Volume	From	To	Pad			<b>5 Min.</b>
Max Press <b>300</b>	Max Press	From	To	Frac			<b>10 Min.</b>
Well Connection <b>P.C.</b>	Annulus Vol.	From	To				<b>15 Min.</b>
Plug Depth <b>322</b>	Packer Depth	From	To	Flush	<b>Disp. Freshwater</b>	HHP Used	Annulus Pressure
						Gas Volume	Total Load

Customer Representative	Station Manager <b>Scotty</b>	Treater <b>Allen F. Werth</b>
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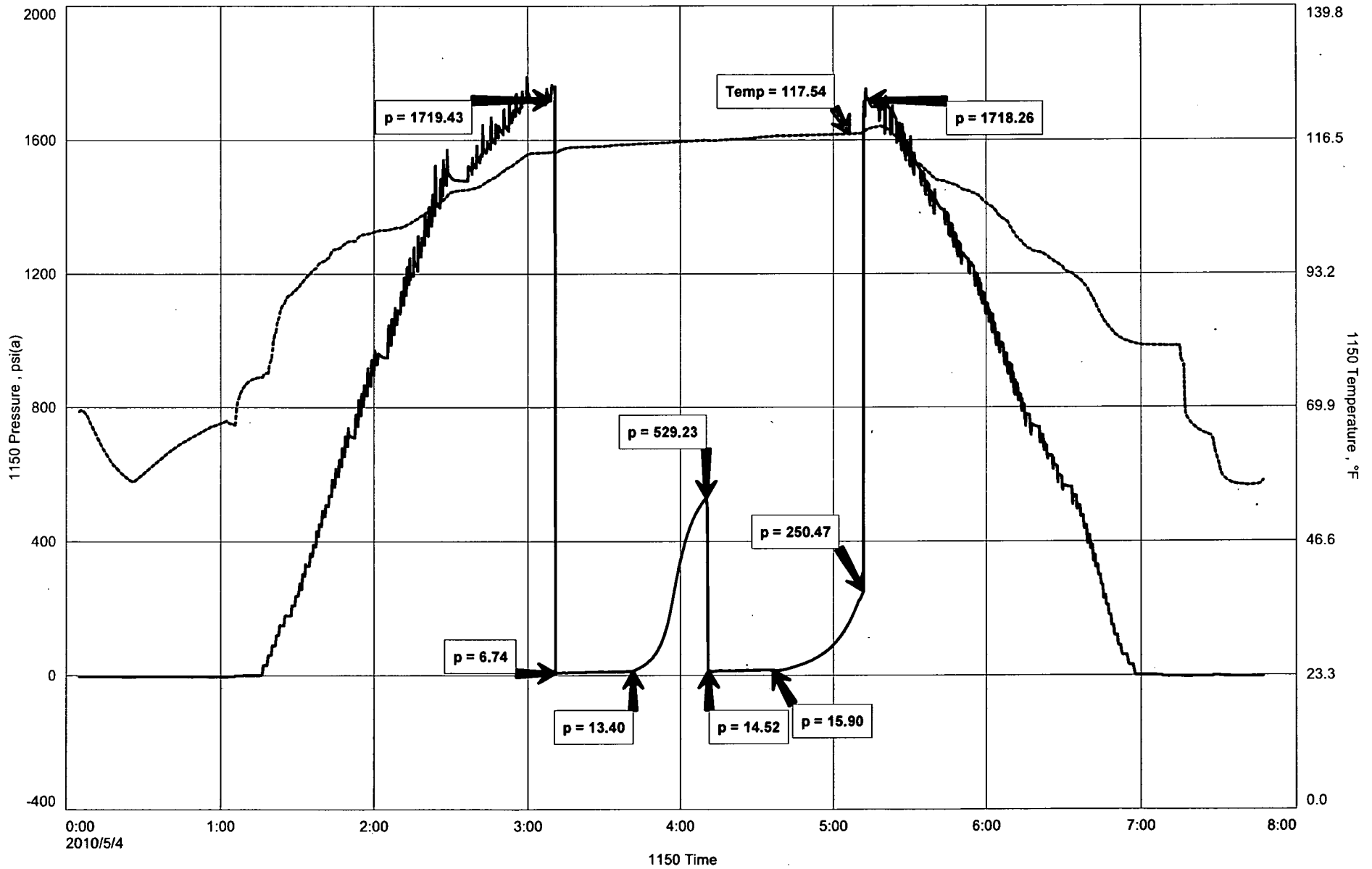
Service Units	<b>28443</b>	<b>27463</b>	<b>19832</b>	<b>21010</b>	<b>19826</b>	<b>19860</b>
Driver Names	<b>Weith</b>	<b>Seach</b>	<b>M. Ke</b>	<b>Nall</b>	<b>Robert</b>	<b>Rendon Pat coleman</b>

Time	Casing Pressure	Tubing Pressure	Bbbls. Pumped	Rate	Service Log
<b>9:00 PM</b>	<b>4-28-10</b>				<b>VAL # 4</b>
					<b>ON Loc. Discuss Safety, Setup Plan Job</b>
					<b>Rig Drilling Rat Hole</b>
<b>9:40</b>					<b>Start on 12 1/4 surface Hole</b>
<b>6:30 AM - 4-29-10</b>					<b>Hole cut - CIR Hole w/ Rig 347</b>
<b>7:00</b>					<b>Start out of Hole w/ bit</b>
<b>7:23</b>					<b>out of Hole w/ Bit - Rig up to Run Log</b>
<b>7:37</b>					<b>Start 8 5/8 csg</b>
<b>9:15</b>					<b>CASING @ 347 Hookup &amp; CIR w/ Rig</b>
<b>9:30</b>					<b>Hookup to cement well.</b>
					<b>Trouble getting cement out of front</b>
<b>10:00</b>					<b>pot. Hook Back To mud + CIR.</b>
<b>11:30</b>					<b>wait on Back TRUCK.</b>
<b>4:20 pm</b>				<b>5</b>	<b>st mix cement - Release Plug.</b>
			<b>65</b>	<b>5</b>	<b>Finish mix cement - St. Disp.</b>
<b>5:00 pm</b>			<b>20 1/2</b>		<b>Plug down shut in well</b>
					<b>Release PSJ</b>
					<b>washup &amp; Rack up Equip.</b>
<b>6:00</b>					<b>Job complete</b>
					<b>cut CIR to pit</b>
					<b>Robert &amp; Pat m.</b>
					<b>Thanks Allen, Chris, Nall</b>

L.D. DRILLING, INC.  
DST #1 LANS 'B' 3,662' - 3,690  
Start Test Date: 2010/05/04  
Final Test Date: 2010/05/04

YORK #1-19  
Formation: DST #1 LANS 'B' 3,662' - 3,690'

# YORK #1-19



# Diamond Testing

## General information Report

### General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	YORK #1-19	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #1 LANS 'B' 3,662' - 3,690	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 19-15S-29W GOVE COUNTY	Report Date	2010/05/04
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WIULDCAT		
Well Type	Vertical		

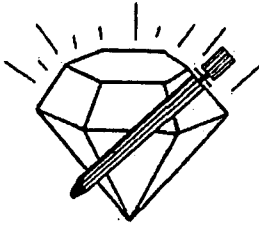
Test Type	CONVENTIONAL		
Formation	DST #1 LANS 'B' 3,662' - 3,690'		
Well Fluid Type	01 Oil	Start Test Time	00:05:00
		Final Test Time	07:47:00
Start Test Date	2010/05/04		
Final Test Date	2010/05/04		
Gauge Name	1150		
Gauge Serial Number			

### Test Results

RECOVERED: 2' CO 35.8 GRAVITY @ 60 deg.  
18' OCM 2% OIL, 98% MUD  
20' TOTAL FLUID

TOOL SAMPLE: 12% OIL, 2% WTR, 86% MUD





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313

CLOCK ON:00:05

CLOCK OFF:07:47

**DRILL-STEM TEST TICKET**

Company L.D. DRILLING, INC Lease & Well No. YORK #1-19  
Contractor VAL RIG #4 Charge to L.D. DRILLING, INC.  
Elevation 2,563 KB Formation LANS 'B' Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 5-4-10 Sec. 19 Twp. \_\_\_\_\_ 15 S Range 29 W County GOVE State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 3,662 ft. to 3,690 ft. Total Depth 3,690 ft.  
Packer Depth 3,657 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 3,662 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) \_\_\_\_\_ 3,649 ft. Recorder Number 1150 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ 3,687 ft. Recorder Number 3815 Cap. 5,700 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 8.9 Water Loss 7.2 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 800 P.P.M. Drill Pipe Length 3,634 ft. I.D. 3 1/2 in.  
Jars: Make BOWEN Serial Number SAFTEY JOINT Test Tool Length 28 ft. Tool Size 3 1/2-1F in.  
Did Well Flow? NO Reversed Out NO Anchor Length 28 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/8" BLOW INCREASING 1 1/4" (NOBB)  
2nd Open: NO BLOW (NOBB)

Recovered 2 ft. of CO 35.8 GRAVITY @ 60 deg  
Recovered 18 ft. of OCM 2% OIL, 98% MUD  
Recovered 20 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 12% OIL, 2% WTR, 86% MUD	Total

Time Set Packer(s) 3:11 A.M. \_\_\_\_\_ A.M. \_\_\_\_\_ P.M. Time Started Off Bottom 5:11 A.M. \_\_\_\_\_ A.M. \_\_\_\_\_ P.M. Maximum Temperature 118  
Initial Hydrostatic Pressure ..... (A) 1,719 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 7 P.S.I. to (C) 13 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 529 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 15 P.S.I. to (F) 16 P.S.I.  
Final Closed In Period ..... Minutes 30 (G) 250 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1,718 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	Job Number	
Well Name	YORK #1-19	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #2 LKC 'H' 3,803' - 3,840'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 19-15S-29W GOVE COUNTY KANSAS	Report Date	2010/05/05
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #2 LKC 'H' 3,803' - 3,840'		
Well Fluid Type	01 Oil	Start Test Time	00:05:00
		Final Test Time	07:03:00
Start Test Date	2010/05/05		
Final Test Date	2020/05/05		
Gauge Name	1150		
Gauge Serial Number			

### Test Results

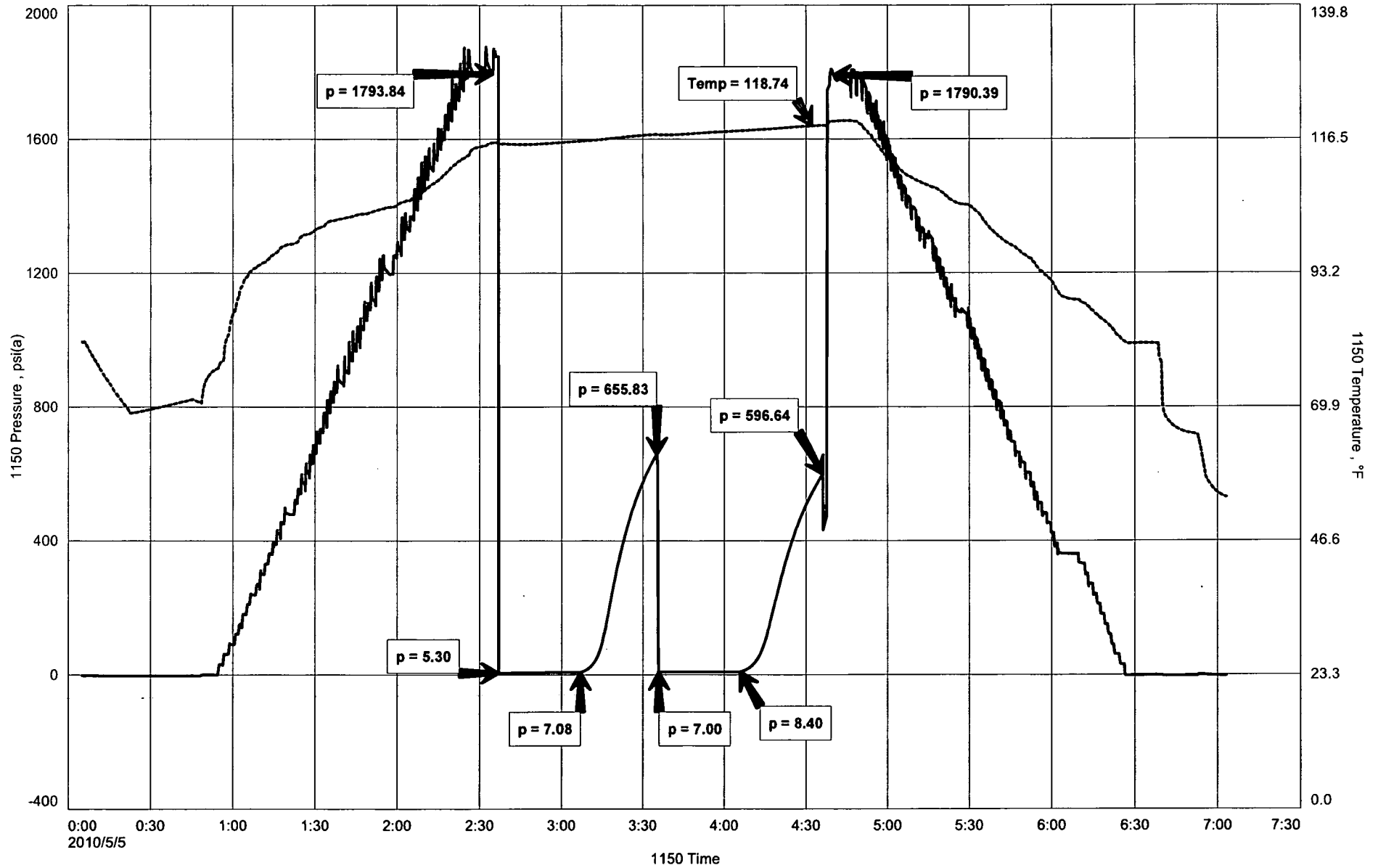
RECOVERED: 5' DM 100% MUD

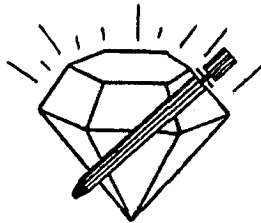
TOOL SAMPLE: 100% DM FEW OIL SPOTS

L.D. DRILLING, INC.  
DST #2 LKC 'H' 3,803' - 3,840'  
Start Test Date: 2010/05/05  
Final Test Date: 2020/05/05

YORK #1-19  
Formation: DST #2 LKC 'H' 3,803' - 3,840'

# YORK #1-19





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313

CLOCK ON:00:05

CLOCK OFF:07:03

**DRILL-STEM TEST TICKET**

Company L.D. DRILLING, INC Lease & Well No. YORK #1-19  
Contractor VAL RIG #4 Charge to L.D. DRILLING, INC.  
Elevation 2,563 KB Formation LKC 'H' Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 5-5-10 Sec. 19 Twp. \_\_\_\_\_ 15 S Range 29 W County GOVE State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 Interval Tested from 3,803 ft. to 3,840 ft. Total Depth 3,840 ft.

Packer Depth 3,798 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 3,803 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

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

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number 1150 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number 3815 Cap. 5,700 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 1,000 P.P.M. Drill Pipe Length 3,775 ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number SAFTEY JOINT Test Tool Length 28 ft. Tool Size 3 1/2-1F in.

Did Well Flow? NO Reversed Out NO Anchor Length 37 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 1/8" BLOW INCREASING 1/2" - DECREASING IN 12 MIN - DIED IN 27 MIN (NOBB)

2nd Open: NO BLOW (NOBB)

Recovered 5 ft. of DM 100% MUD

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

TOOL SAMPLE: 100% DM WITH A FEW OIL SPOTS

Time Set Packer(s) 2:37 A.M. A.M. P.M. Time Started Off Bottom 4:37 A.M. A.M. P.M. Maximum Temperature 119

Initial Hydrostatic Pressure ..... (A) 1,794 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 5 P.S.I. to (C) 7 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 656 P.S.I.

Final Flow Period ..... Minutes 30 (E) 7 P.S.I. to (F) 8 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 597 P.S.I.

Final Hydrostatic Pressure ..... (H) 1,790 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	Job Number	
Well Name	YORK #1-19	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #3 MYRICK STATION 4,120' - 4,150'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 19-15S-29W GOVE COUNTY, KANSAS	Report Date	2010/05/06
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #3 MYRICK STATION 4,120' - 4,150'		
Well Fluid Type	01 Oil	Start Test Time	16:05:00
		Final Test Time	23:29:00
Start Test Date	2010/05/06		
Final Test Date	2010/05/06		
Gauge Name	1150		
Gauge Serial Number			

### Test Results

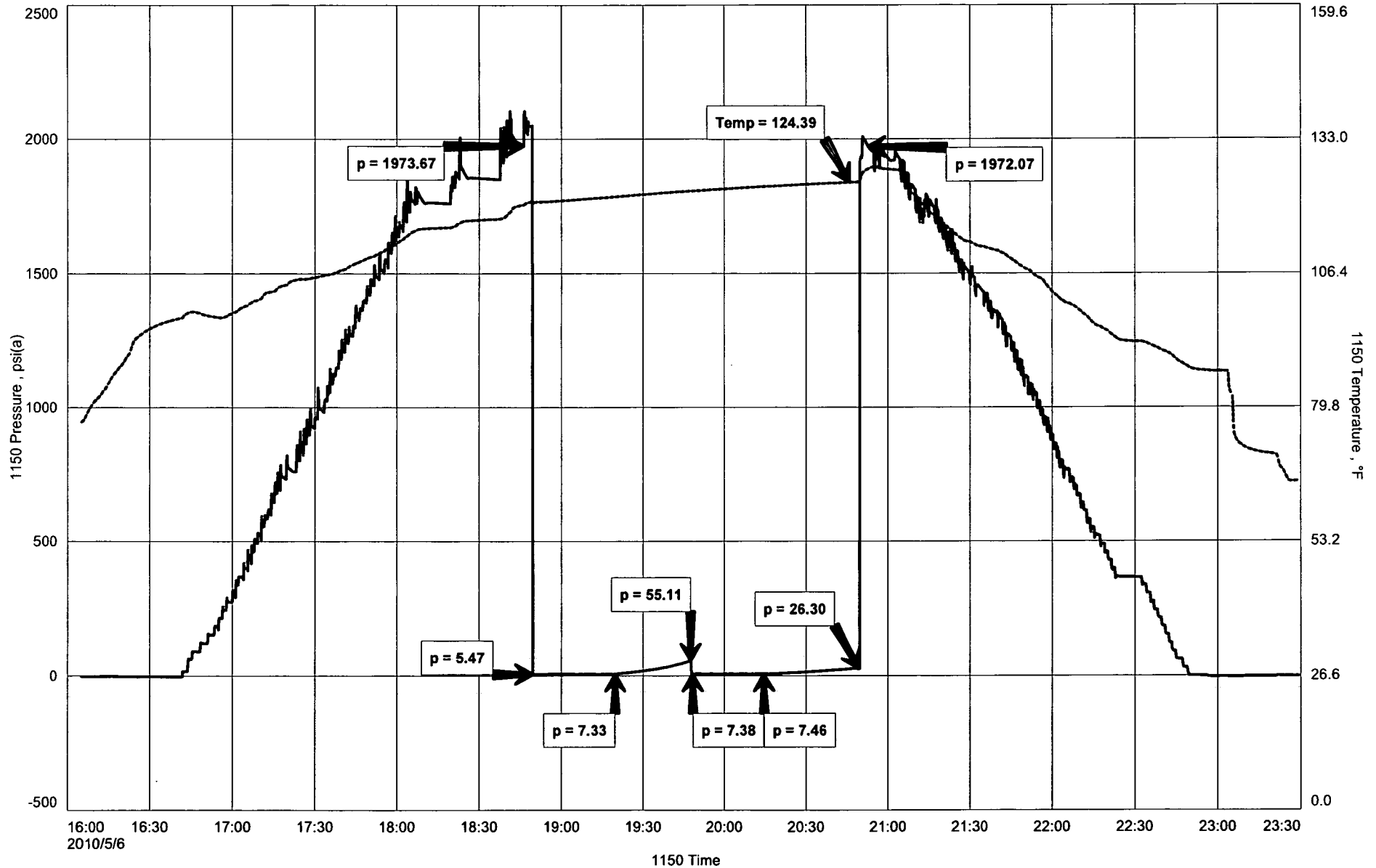
RECOVERED: 5' DM 100% MUD

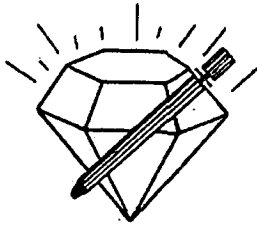
TOOL SAMPLE: 100% DM WITH A FEW OIL SPECKS

L.D. DRILLING, INC.  
DST #3 MYRICK STATION 4,120' - 4,150'  
Start Test Date: 2010/05/06  
Final Test Date: 2010/05/06

YORK #1-19  
Formation: DST #3 MYRICK STATION 4,120' - 4,150'

# YORK #1-19





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313

CLOCK ON:16:05

CLOCK OFF:23:29

**DRILL -STEM TEST TICKET**

Company L.D. DRILLING, INC Lease & Well No. YORK #1-19  
Contractor VAL RIG #4 Charge to L.D. DRILLING, INC.  
Elevation 2,563 KB Formation MYRICK STATION Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 5-6-10 Sec. 19 Twp. 15 S Range 29 W. County GOVE State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 3 Interval Tested from 4,120 ft. to 4,150 ft. Total Depth 4,150 ft.  
Packer Depth 4,115 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,120 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4,101 ft. Recorder Number 1150 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4,147 ft. Recorder Number 3815 Cap. 5,700 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 63 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 2,800 P.P.M. Drill Pipe Length 4,087 ft. I.D. 3 1/2 in.  
Jars: Make BOWEN Serial Number #3 Test Tool Length 33 ft. Tool Size 3 1/2-1F 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 <sup>XH</sup> in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/8" BLOW INCREASING 1/4" - DECREASING IN 14 MIN - DIED IN 22 MIN (NOBB)  
2nd Open: NO BLOW (NOBB)

Recovered 5 ft. of DM 100% MUD

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

TOOL SAMPLE: 100% DM WITH A FEW OIL SPECKS

Time Set Packer(s) 6:49 P.M. A.M. P.M. Time Started Off Bottom 8:49 P.M. A.M. P.M. Maximum Temperature 119

Initial Hydrostatic Pressure ..... (A) 1,974 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 5 P.S.I. to (C) 7 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 55 P.S.I.

Final Flow Period ..... Minutes 30 (E) 7 P.S.I. to (F) 7 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 26 P.S.I.

Final Hydrostatic Pressure ..... (H) 1,972 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	Job Number	
Well Name	YORK #1-19	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #4 FT SCOTT / JOHNSON 4,147' - 4,245'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 19-15S-29W GOVE COUNTY	Report Date	2010/05/07
Well License Number		Prepared By	RPGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #4 FT SCOTT / JOIHNSON 4,147' - 4,245'		
Well Fluid Type	01 Oil	Start Test Time	14:30:00
		Final Test Time	20:59:00
Start Test Date	2010/05/07		
Final Test Date	2010/05/07		
Gauge Name	1150		
Gauge Serial Number			

### Test Results

RECOVERED: 5' DM 100% MUD

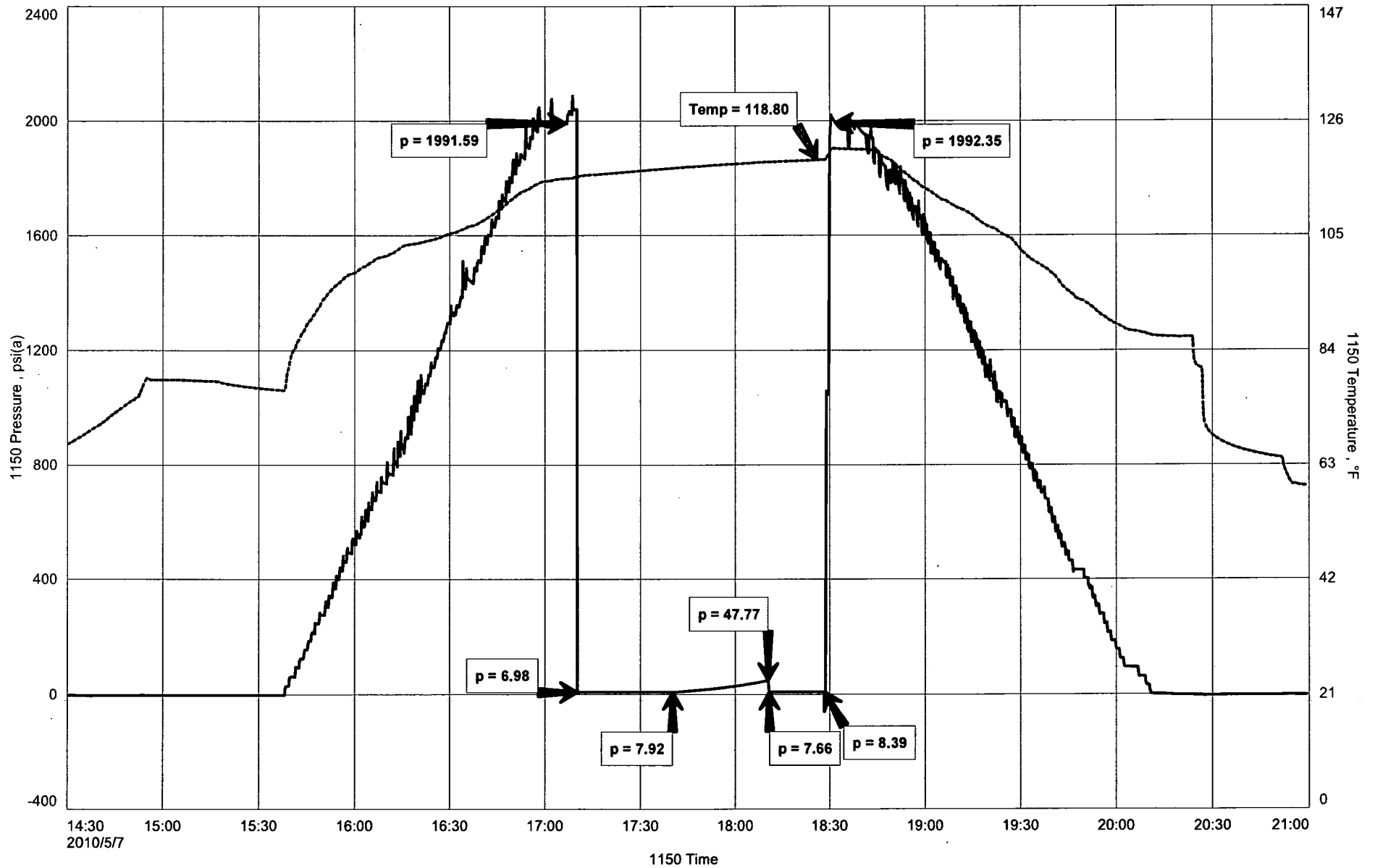
TOOL SAMPLE: 100% DM WITH SOME FREE OIL SPOTS



L.D. DRILLING, INC.  
DST #4 FT SCOTT / JOHNSON 4,147' - 4,245'  
Start Test Date: 2010/05/07  
Final Test Date: 2010/05/07

YORK #1-19  
Formation: DST #4 FT SCOTT / JOHNSON 4,147' - 4,245'

# YORK #1-19





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313

CLOCK ON:14:30

CLOCK OFF:20:39

**DRILL-STEM TEST TICKET**

Company L.D. DRILLING, INC Lease & Well No. YORK #1-19  
Contractor VAL RIG #4 Charge to L.D. DRILLING, INC.  
Elevation 2,563 KB Formation FT SCOTT - JOHNSON Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 5-7-10 Sec. 19 Twp. 15 S Range 29 W County GOVE State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 4 Interval Tested from 4,147 ft. to 4,245 ft. Total Depth 4,245 ft.  
Packer Depth 4,142 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,147 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number 1150 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number 3815 Cap. 5,700 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 51 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 2,000 P.P.M. Drill Pipe Length 4,114 ft. I.D. 3 1/2 in.  
Jars: Make BOWEN Serial Number #3 Test Tool Length 33 ft. Tool Size 3 1/2-1F in.  
Did Well Flow? NO Reversed Out NO Anchor Length 98 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 63" DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING 1/2" - DECREASING IN 12 MIN - DIED IN 22 MIN (NOBB)  
2nd Open: NO BLOW (NOBB)

Recovered 5 ft. of DM 100% MUD  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE:100% DM WITH SOME FREE OIL SPOTS	Total

Time Set Packer(s) 5:10 P.M. A.M. P.M. Time Started Off Bottom 6:30 P.M. A.M. P.M. Maximum Temperature 119  
Initial Hydrostatic Pressure ..... (A) 1,992 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 7 P.S.I. to (C) 8 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 48 P.S.I.  
Final Flow Period ..... Minutes 20 (E) 8 P.S.I. to (F) 8 P.S.I.  
Final Closed In Period ..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure ..... (H) 1,992 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

316-684-9709 \* WICHITA, KS

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG










COMPANY <u>L. D. DRILLING, INC.</u>		ELEVATIONS	
LEASE <u># 1-19 YORK</u>	FIELD <u>YORK</u>	KB <u>2563</u>	DF _____
LOCATION <u>1650' ENL &amp; 1080' EEL</u>	SEC <u>19</u> TWP <u>15s</u> RGE <u>29w</u>	GL <u>2558</u>	Measurements Are All From <u>2563 KB</u>
COUNTY <u>GOVE</u> STATE <u>KANSAS</u>		CONTRACTOR <u>VAL ENERGY, INC. RIG 4</u>	
SPUD <u>4-28-10</u> COMP <u>5-8-10</u>	RTD <u>4285</u> LTD _____	CASING SURFACE <u>8 3/8" (Ø) 342'</u>	
MUD UP <u>3500</u> TYPE MUD <u>CHEMICAL</u>	ELECTRICAL SURVEYS <u>None</u>		

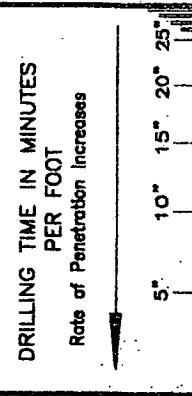
SAMPLES SAVED FROM _____	<u>3100</u>	TO	<u>4285</u>
DRILLING TIME KEPT FROM _____	<u>3100</u>	TO	<u>4285</u>
SAMPLES EXAMINED FROM _____	<u>3100</u>	TO	<u>4285</u>
GEOLOGICAL SUPERVISION FROM _____	<u>3400</u>	TO	<u>4285</u>
GEOLOGIST ON WELL <u>KIM B. SHOEMAKER</u>			

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE		1974 + 589
B/ANH.		2005 + 858
STUTLER		3234 - 671
HEEBNER		3605 - 1042
LANSING		3641 - 1078

APL 15-063-21814

### LEGEND

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

DRILLING TIME IN MINUTES PER FOOT	SAMPLE DESCRIPTIONS	REMARKS
<p style="text-align: center;">Rate of Penetration Increases</p> 		

80

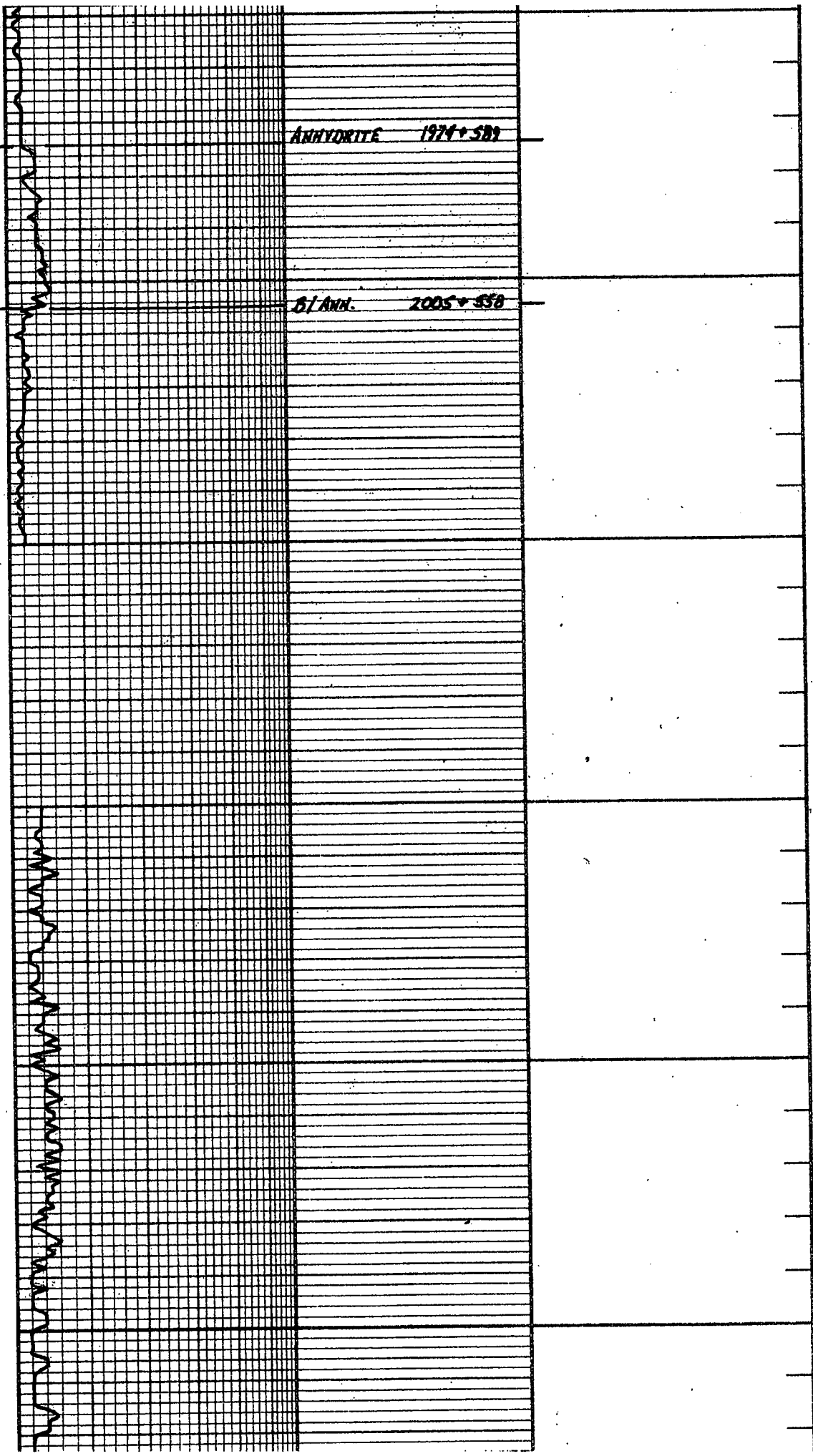
90

100

1200

ANHYDRITE 1974 + 589

D/ANN. 2005 + 558



8

HOWARD 3539  
-716

TOROKA

Samples are Lagged

100

13. wt. 1/2 lb. for analysis

14. To Food and... (faded)

15. Sh.

16. 1/2 lb. 6. 6. 6.

17. To 1/2 lb. 6. 6.

18. To wt. Food and...

19. To 1/2 lb. 6. 6. 6.

20. To wt. 1/2 lb. 6. 6. 6.

21. To 1/2 lb. 6. 6.

22. 1/2 lb. 6. 6. 6.

1500

600

TORONTO

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

sh. clay,

ls. fine sand ss. clay,

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

VI: 51 VI: 30  
WC: 72 CL: 285

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

**HEEBNER 3605-1092**

sh. clay, var. fine ss. clay,

sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

sh. clay, var. fine ss. clay,

**LANSING 3691-1078**

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

700

VI: 51 VI: 30  
WC: 72 CL: 285

ls. sh. clay, var. fine ss. clay,

KANSAS CITY

ls. sh. clay, var. fine ss. clay,

sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

ls. sh. clay, var. fine ss. clay,

**DST (1) 3662-3690**

15' 0" : Blow count to 14'

2' : 0" : No Blow

30 30 30 30

Rec. 2' CO 36 Grav.

18' VSOCM

TR: (27.01)

FR: 215

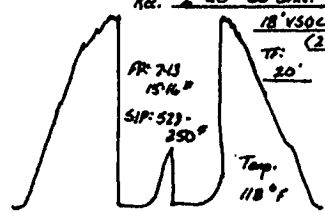
15' 16"

SIF: 523

250'

Temp.

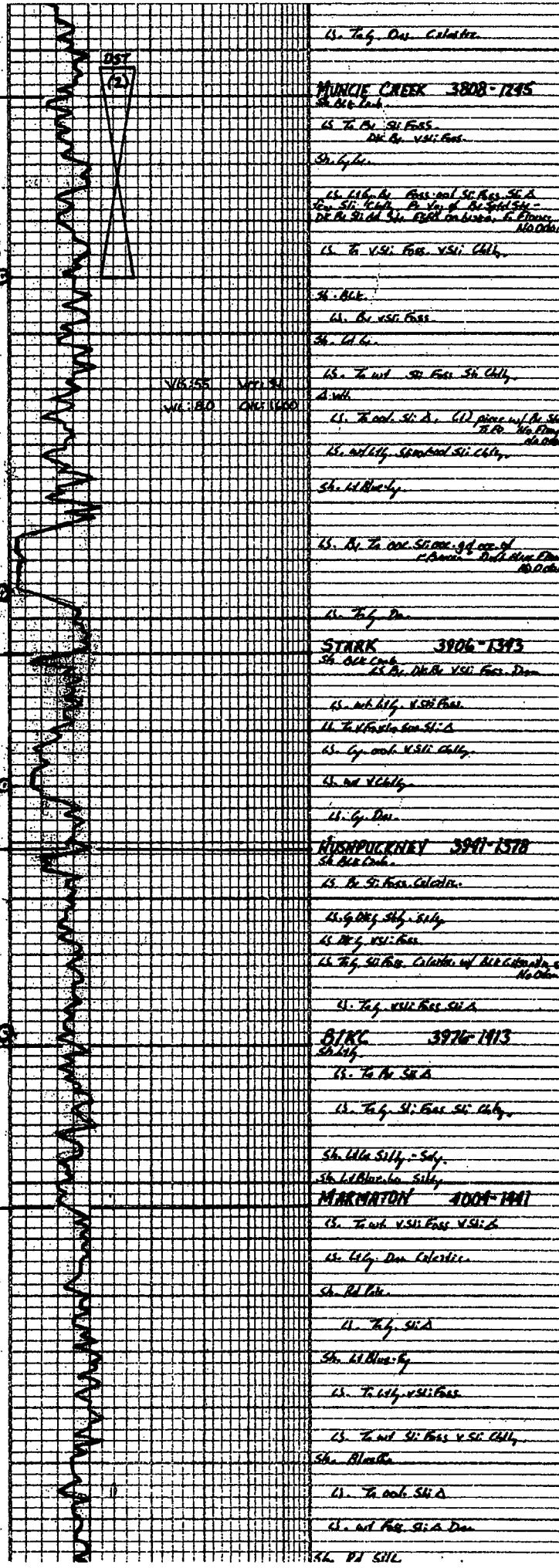
118° F



3800

3900

1000



13. Top. Ore. Caliche

**DST (2) 3803-3810**  
 1500 ft: Blow built to 70" deep, dist 27 mm.  
 2400 ft: No Blow  
 30-30-30-30

**MUNCIE CREEK 3808-1295**  
Sh. Blue Clay

14. To top. Sil. Pass.  
Dist. to. vsil. Pass.

Sh. Blue Clay

14. 1/2 in. Pass. and Sil. Pass. Sil. A.  
Top. Sil. Clay. P. top. of Sil. Clay.  
Dist. to. Sil. A. Sil. Pass. on base. to. 1000 ft.  
No. 1000 ft.

15. To vsil. Pass. vsil. Clay.

Sh. Blue Clay

16. To vsil. Pass.

Sh. Blue Clay

16. To top. Sil. Pass. Sil. Clay.  
Dist. to. vsil. Pass.

17. To top. Sil. A. (1) piece of Sil. A.  
Dist. to. vsil. Pass. No. 1000 ft.

Sh. Blue Clay

18. To top. Sil. A. (1) piece of Sil. A.  
Dist. to. vsil. Pass. No. 1000 ft.

Sh. Blue Clay

19. Top. Ore.

**STARK 3906-1393**  
Sh. Blue Clay

15. To top. Sil. Pass. vsil. Pass. Dist.

Sh. Blue Clay

16. To top. Sil. Pass. vsil. Pass.

Sh. Blue Clay

17. To top. Sil. Pass. vsil. Pass.

Sh. Blue Clay

18. To top. Sil. Pass. vsil. Pass. Dist.

Sh. Blue Clay

19. To top. Sil. Pass. vsil. Pass. Dist.

Sh. Blue Clay

20. To top. Sil. Pass. vsil. Pass. Dist.

Sh. Blue Clay

**MARMATON 4004-1991**  
Sh. Blue Clay

15. To top. Sil. Pass. vsil. Pass. Dist.

Sh. Blue Clay

16. To top. Sil. Pass. vsil. Pass. Dist.

Sh. Blue Clay

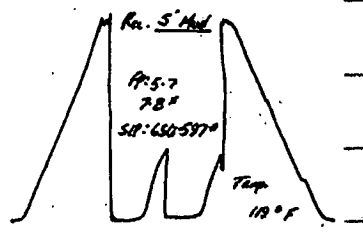
17. To top. Sil. Pass. vsil. Pass. Dist.

Sh. Blue Clay

18. To top. Sil. Pass. vsil. Pass. Dist.

Sh. Blue Clay

19. To top. Sil. Pass. vsil. Pass. Dist.



VB 155  
wt: 80  
CMT: 1500

36. 1/2 Sil.

