



KANSAS CORPORATION COMMISSION 1048819  
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 # 4958  
Name: Mallard, J. V., Inc.  
Wellsite Geologist: KIM SHOEMAKER  
Purchaser: \_\_\_\_\_

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SLOW  
 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 #: \_\_\_\_\_  
06/10/2010    06/17/2010    08/23/2010  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-009-25431-00-00  
Spot Description: \_\_\_\_\_  
S2 SE NE NE Sec. 20 Twp. 17 S. R. 15  East  West  
1,290 Feet from  North /  South Line of Section  
330 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Barton  
Lease Name: LIMESTONE FARMS Well #: 1-20  
Field Name: \_\_\_\_\_  
Producing Formation: NA  
Elevation: Ground: 2015 Kelly Bushing: 2021  
Total Depth: 3681 Plug Back Total Depth: 3652  
Amount of Surface Pipe Set and Cemented at: 1011 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: 12000 ppm Fluid volume: 160 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: L. D. DRILLING, INC.  
Lease Name: DON License #: 6039  
Quarter NE Sec. 12 Twp. 18 S. R. 14  East  West  
County: BARTON Permit #: D28411

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 01/03/2011

*Reid*



1048819

Operator Name: L.D. Drilling, Inc. Lease Name: LIMESTONE FARMS Well #: 1-20  
 Sec. 20 Twp. 17 S. R. 15  East  West County: Barton

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  DUAL COMPENSATED POROSITY LOG DUAL INDUCTION LOG	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border: none;"> <tr> <td style="width:33%; text-align: center;">Name</td> <td style="width:33%; text-align: center;">Top</td> <td style="width:33%; text-align: center;">Datum</td> </tr> <tr> <td style="text-align: center;">Attached</td> <td style="text-align: center;">Attached</td> <td style="text-align: center;">Attached</td> </tr> </table>	Name	Top	Datum	Attached	Attached	Attached
Name	Top	Datum					
Attached	Attached	Attached					

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	1011	A-CON	200	
SURFACE - CONTINUED	12.25	8.625	24	1011	COMMON	200	2%Gel,3%CC,1/4#CF
PRODUCTION	7.865	5.5	14	3680	60/40 POZMIX	200	2%Gel,.5%FR,18%Salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing. <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	3562-3563	COMMON	75	1% FLA-322, 25% DEFOAMER

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
4	3571 - 3574	500 gal 28% HCL NE FE Acid	
4	3562 - 3563		
4	3562 - 3566	300 gal 20% HCL NE FE Acid	

TUBING RECORD: Size: <u>2.865</u> Set At: <u>3649</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" 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 checked="" 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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L.D. Drilling, Inc.
Well Name	LIMESTONE FARMS 1-20
Doc ID	1048819

Tops

ANHYDRITE	1044	+977
TOPEKA	3006	-985
HEEBNER	3237	-1216
LANSING	3297	-1276
BASE KANSAS CITY	3525	-1504
ARBUCKLE	3561	-1540
RTD	3681	-1660
LTD	3675	-1654



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

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

FIELD SERVICE TICKET

1718 1819 A

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

DATE OF JOB <b>6-11-10</b> DISTRICT <b>KANSAS</b>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER <b>L. D. Drilling</b>		LEASE <b>Limestone Farms #1-20</b> WELL NO.						
ADDRESS		COUNTY <b>Barton 20-17-16</b> STATE <b>KANS.</b>						
CITY STATE		SERVICE CREW <b>A. Worth, C. Vanch, M. Nall</b>						
AUTHORIZED BY		JOB TYPE: <b>8 5/8" Surface C.W.</b>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM TIME
<b>28443 PU</b>	<b>1 1/2</b>						<b>6-11-10</b>	<b>AM 1200</b>
<b>27463 Pt.</b>	<b>1 1/2</b>						<b>6-11-10</b>	<b>AM 100</b>
<b>19832-21010</b>	<b>1 1/2</b>						<b>6-11-10</b>	<b>AM 500</b>
							<b>6-11-10</b>	<b>AM 630</b>
							<b>6-11-10</b>	<b>AM 715</b>
						MILES FROM STATION TO WELL <b>70-miles</b>		

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

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

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP101	ACON Blend Cement		200-sk		\$ 3600.00
CP100	Common		200-sk		\$ 3200.00
CC102	Cell Flake		100-lb		\$ 370.00
CC109	Calcium Chloride		1128-lb		\$ 11840.00
CC200	Cement Gel		376-lb		\$ 94.00
CF105	Top Rubber Cement Plug.		1-ea		\$ 225.00
F100	Unit Mileage Pickup.		170 mi		\$ 297.00
E101	Heavy Equip Mileage		170 mi		\$ 980.00
CE201	Depth Chg. 501-1000'		1-4hrs	\$ 1200.00	\$ 4800.00
CE240	Blending & Mixing Service chg.		400-sk		\$ 560.00
CE504	Plug container utilization chg.		1-504		\$ 250.00
G003	Service Supervisor - first 8 hrs work.		1-ea		\$ 175.00
E113	BUILD DELIVERY		1316 TM		\$ 2165.60
SUB TOTAL					
TOTAL					

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<b>KC \$ 7405.58</b>

SERVICE REPRESENTATIVE **Allen F. Worth** THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: **[Signature]**  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

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

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <i>L.D. Drilling, INC</i>		Lease No.		Date <i>6-11-10</i>	
Lease <i>Limestone Farms</i>		Well # <i>1-20</i>			
Field Order # <i>17181819</i>	Station <i>Pratt KS</i>	Casing <i>8 5/8"</i>	Depth <i>10-10 1/2'</i>	County <i>Barton</i>	State <i>Ks.</i>
Type Job <i>8 5/8" Surface</i>		Formation <i>10-10 1/2'</i>		Legal Description <i>20-17-16</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size <i>8-5/8"</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
			<i>200 sks</i>	<i>A-con Blend</i>	<i>@ 12.6 #/gal</i>		
Depth <i>10 1/2'</i>	Depth	From	To	Pre Pad	Max		5 Min.
			<i>200 sks</i>	<i>common w/ 2% gel</i>	<i>3% CC, 1/4" cell Flake</i>		
Volume <i>63 GAL</i>	Volume	From	To	Pad	Mix		10 Min.
			<i>@ 15 #/gal</i>	Frac			
Max Press <i>500 #</i>	Max Press	From	To		Avg		15 Min.
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>991'</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load
				<i>Disp-Freshwater</i>			

Customer Representative: \_\_\_\_\_ Station Manager: *Scotty* Treater: *Allen F. Werth*

Service Units	<i>28443</i>	<i>27463</i>	<i>19832</i>	<i>21010</i>					
Driver Names	<i>A. Werth</i>	<i>C. Vorch</i>	<i>Mike</i>	<i>Wall</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>100 am.</i>					<i>on hoc. Discuss Safety, Setup, Plan Job</i>
<i>315</i>					<i>Start out of Hole w/ Bit.</i>
<i>355</i>					<i>out of Hole w/ Bit</i>
<i>415</i>					<i>Rig up to Run 8 5/8" casing 24'</i>
<i>515</i>					<i>start 8 5/8" casing.</i>
<i>530</i>					<i>Casing @ 10 1/2' cir. w/ Rig.</i>
					<i>Hook up to cat.</i>
	<i>200 #</i>		<i>77</i>	<i>5</i>	<i>start mix 200sk A-con @ 12.6 #</i>
					<i>start mix 200sk common</i>
			<i>48 1/2</i>		<i>w/ 2% gel, 3% CC, 1/4" cell Flake @ 15 #</i>
					<i>Finish mix</i>
					<i>Release Top Rubber Plug 8 5/8"</i>
<i>600</i>				<i>4 1/2</i>	<i>start Disp.</i>
<i>615</i>	<i>500 #</i>		<i>63</i>		<i>Plug down - shut in @ well</i>
	<i>0 #</i>				<i>Release P.S.T</i>
					<i>Knock loose &amp; wash up Equip.</i>
					<i>Rack up Equip.</i>
<i>715</i>					<i>Job Complete</i>
					<i>Cement cir. To P.T</i>
					<i>thanks Allen Chris M. WALL</i>



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

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

FIELD SERVICE TICKET

1718 02095 A

20-175-15W

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

DATE OF JOB <b>6-17-10</b> DISTRICT <b>Pratt, Kansas</b>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <b>L. D. Drilling, Incorporated</b>		LEASE <b>Limestone Farms</b> WELL NO. <b>1-20</b>							
ADDRESS		COUNTY <b>Barton</b> STATE <b>Kansas</b>							
CITY STATE		SERVICE CREW <b>C. Messick: M. Mattal: E. Marquez</b>							
AUTHORIZED BY		JOB TYPE: <b>C.N.W. - Long string</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19,866	1						6-17-10	PM	9:00
						ARRIVED AT JOB		AM	12:30
						START OPERATION		AM	4:20
19,903-19,905	1					FINISH OPERATION		AM	5:20
19,832-21,010	1					RELEASED	6-17-10	AM	5:45
						MILES FROM STATION TO WELL			TO

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	sh	150		\$ 1,800.00
CP 103	60/40 Poz	sh	50		\$ 600.00
CC 111	Salt (Fine)	Lb	1,334		\$ 667.00
CC 112	Cement Friction Reducer	Lb	65		\$ 390.00
CC 201	Gilsonite	Lb	750		\$ 502.50
CF 103	Top Rubber Plug, 5 1/2"	ea	1		\$ 105.00
CF 251	Regular Guide Shoe, 5 1/2"	ea	1		\$ 250.00
CF 1451	Insert Float Valve, 5 1/2"	ea	1		\$ 215.00
CF 1651	Turbolizer, 5 1/2"	ea	5		\$ 550.00
C 704	CS-1L KCL	Gal	1		\$ 35.00
CC 151	Mud Flush	Gal	500		\$ 430.00
E 100	Pickup Mileage	mi	70		\$ 297.50
E 101	Heavy Equipment Mileage	mi	140		\$ 980.00
E 113	Bulk Delivery	tm	602		\$ 963.20
CE 204	Cement Pump: 3,001 Feet To 4,006 Feet	Job	1		\$ 2,160.00
CE 240	Blending and Mixing Service	sh	200		\$ 280.00
CE 504	Plug Container	Job	1		\$ 250.00
S 003	Service Supervisor	Job	1		\$ 175.00

SUB TOTAL \$ 6,496.62

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

CHEMICAL / ACID DATA:			

SERVICE REPRESENTATIVE: Veronica R. M. Madrid THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Taylor R. Ullrich  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

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

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer L.D. Drilling, Incorporated	Lease No.	Date 6-17-10
Lease Limestone Farms	Well # 1-20	
Field Order # 2095	Station Pratt, Kansas	Casing 5/2 14 Lb./Ft.
Type Job C.N.W. - Longstring	Depth 3,680 feet	County Barton
	Formation	State Kansas
		Legal Description 20-17S-15W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME	
Casing Size 5/2 14 Lb./Ft.	Tubing Size	Shots/Ft	150 sacks	60/40 Poz	RATE	PRESS	ISIP
Depth 3,680 feet	Depth	From	Reducer	488 Salt, 51	1/8 st. Gil	sonite	5 Min.
Volume 87.8 Bbl.	Volume	From	To	15.4 lb./Gal., 4.296	1/8 st., 1.18	CU FT.	10 Min.
Max Press 1,500 P.S.I.	Max Press	From	To		Avg		15 Min.
Well Connection Plug container	Annulus Vol.	From	To	50 sacks	60/40 Poz to plug	Rat (30sts) and	Annulus Pressure
Plug Depth 2.66 ft.	Packer Depth	From	To	87.7 Bbl.	Fresh Water	Mouse (20sts) holes	Total Load

Customer Representative L.D. Davis	Station Manager David Scott	Treater Clarence R. Messick
---------------------------------------	--------------------------------	--------------------------------

Service Units	19,866	19,903	19,905	19,832	21,010
Driver Names	Messick	Mattal	Marquez		

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:30					Trucks on location and hold safety meeting.
2:00					Mallard Drilling start to run Regular Guide Shoe, Shoe Joint with Auto Fill insert screwed into collar and a total of 87 Joints new 14 Lb./Ft. 5/2 casing. Turbolizers were installed on collars #1, 3, 5, 7, and #9.
3:40					Casing in well. Circulate for 15 minutes.
4:00	300		6	6	Start 28 KCL Pre-Flush.
	300		20	6	Start mud Flush.
	350		32	5	Start Fresh Water Spacer.
	350		37	5	start mixing 150 sacks 60/40 Poz Cement.
	-0-		68		stop pumping. Shut in well. Wash pump and lines. Release Top Rubber Plug. Open Well.
4:43				6.5	Start Fresh Water Displacement.
			65	5	Start to lift cement.
5:00	600		89.7		Plug down.
	1,500				Pressure up.
					Release pressure. Insert held.
	-0-		7-5	3	Plug Rat (30sts) and Mouse (20sts) holes.
	-0-				Wash up pump truck.
5:45					Job Complete.
					Thank You.
					Clarence, Mike, Edmundo



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

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

FIELD SERVICE TICKET

1718-02257 A

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

DATE OF JOB <b>8-2-10</b> DISTRICT <b>KANSAS</b>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <b>L.D. Drilling Inc.</b>		LEASE <b>Limestone Farms #1-20</b> WELL NO.							
ADDRESS		COUNTY <b>Barton 20-17-15</b> STATE <b>KANS.</b>							
CITY STATE		SERVICE CREW <b>A. Worth, C. Veach, M. McGraw</b>							
AUTHORIZED BY		JOB TYPE: <b>Sp. Perfs</b> <b>CNW</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<b>28443 P.V.</b>	<b>2 1/2</b>						<b>8-1-10</b>	<b>AM</b>	<b>300</b>
<b>27443 Pt.</b>	<b>2 1/2</b>					ARRIVED AT JOB	<b>8-2-10</b>	<b>AM</b>	<b>830</b>
<b>19832/21010</b>	<b>2 1/2</b>					START OPERATION	<b>8-2-10</b>	<b>AM</b>	<b>900</b>
						FINISH OPERATION	<b>8-2-10</b>	<b>AM</b>	<b>1130</b>
						RELEASED	<b>8-2-10</b>	<b>AM</b>	<b>1200</b>
						MILES FROM STATION TO WELL	<b>70-miles</b>		

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

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SIGNED: *R.D. Davis*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 100	Common		25-Sls		\$ 900.00
CP 100	Common		50-Sls		15800.00
CC105	De foamer Powder		6-lb		\$ 24.00
CC129	FIA-322		24-lb		\$ 180.00
F100	unit mileage charge Pickup		70-mi		\$ 297.50
F101	Heavy Equip. mileage		140mi		\$ 980.00
F113	Bulk Delivery chg.		249-TM		\$ 397.00
CE204	Depth Charge 3001-4000'		1-4hrs		\$ 2160.00
CE240	Blending + mixing Service chg.		75-Sls		10,105.00
S003	Service Supervisor First Sprawl Loc		1-en		\$ 175.00
CE500	Cement Squeeze - Manual		1-en		\$ 430.00

SUB TOTAL

CHEMICAL / ACID DATA:			

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

**\$ 333150**

SERVICE REPRESENTATIVE *Al F. Ward* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *R.D. Davis*  
FIELD SERVICE ORDER NO. \_\_\_\_\_ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)



# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <b>L.D. Drilling INC</b>	Lease No.	Date <b>8-2-10</b>
Lease <b>Limestone Farms</b>	Well # <b>1-20</b>	
Field Order # <b>02257A</b>	Station <b>Pratt KS</b>	Casing <b>5/2</b>
		Depth <b>3617</b>
Type Job <b>Squeeze Perfs</b>	Formation <b>CMW</b>	County <b>Barton</b>
		State <b>KS</b>
		Legal Description <b>20-17-15</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME @ 15.6 #		
Casing Size <b>5/2</b>	Tubing Size <b>2 7/8</b>	Shots/Ft <b>255</b>		Acid <b>KS com. w/</b>	RATE <b>10% FIA</b>	PRESS <b>322 +</b>	ISIP <b>25% DeFoamer</b>	
Depth <b>3617</b>	Depth <b>3463</b>	From <b>3562-66</b>	To <b>50</b>	Pre Pad <b>SKS com. @</b>	Max <b>15.6 #</b>		5 Min.	
Volume <b>20</b>	Volume <b>20</b>	From <b>3571-74</b>	To	Pad	Min		10 Min.	
Max Press <b>2000 #</b>	Max Press <b>2000 #</b>	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth <b>3463</b>	From	To	Flush	Gas Volume		Total Load	

Customer Representative <b>L.D. Davis</b>	Station Manager <b>Scotty</b>	Treater <b>Allen F. Werth</b>
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Service Units <b>28443</b>	<b>25463</b>	<b>19832</b>	<b>21010</b>					
Driver Names <b>with</b>	<b>Verch</b>	<b>Mike</b>	<b>McGinn</b>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:30					on loc. Discuss Safety setup, Plan Job
9:45	500#		15	2 1/2	Rig Running Tbg 2 7/8" Davis Packer's
10:00		700#		2 1/2	PKR @ 3463 Load ann. OK
		700#	5	2 1/2	Take inj Rate down Tbg @ 3463
		700#	10	2 1/2	mix 255 SKS common w/ 1% FIA-322, 25% DeFoamer
		700#		2	mix 505 SKS common "WERT"
10:17		2000#	13		Start Disp. Tbg CAP 20 BBLs
		0#			13 BBLs Total out 2000#
10:20	700#			1 1/2	Release PSI - Dry
			21		Rev out Short way
10:37		750#			Pump 21 BBLs Clean
			30		RepSI Sg. TOOL set @ 3463
	400#				wash down thru Sg To 3617
11:20		500#			+ clean up Hole pump 30 BBLs
					Reset TOOL @ 3463 - PSI on Sg. OK
					Pull PKR.
					washup Equip & Packup.
12:00					Job complete
					thanks Allen, Chris, M. McGinn
					Kevin

Company **L D Drilling, Inc.**  
 Address **7 SW 26th Ave.**  
 CSZ **Great Bend, KS 67530**  
 Attn. **Kim Shoemaker**

Lease Name **Limestone Farms**  
 Lease # **1-20**  
 Legal Desc **S/2 SE NE NE** Job Ticket **3084**  
 Section **20** Range **15W**  
 Township **17S**  
 County **Barton** State **KS**  
 Drilling Cont **Mallard Drilling #1**

Comments **Field: Pospishel**

**GENERAL INFORMATION**

Test # 1  
 Tester **Jimmy Ricketts**  
 Test Type **Conventional Bottom Hole Successful Test**  
 # of Packers **2.0** Packer Size **6 3/4**  
 Mud Type **Gel Chem**  
 Mud Weight **53.0** Viscosity **9.0**  
 Filtrate **12.0** Chlorides **3000**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **13767**  
 Mid Recorder #  
 Bott Recorder # **w1023**

Mileage **28** Approved By  
 Standby Time **0**  
 Extra Equipmnt **Safety Joint**  
 Time on Site **7:00 AM**  
 Tool Picked Up **9:00 AM**  
 Tool Layed Dwn **12:40 PM**

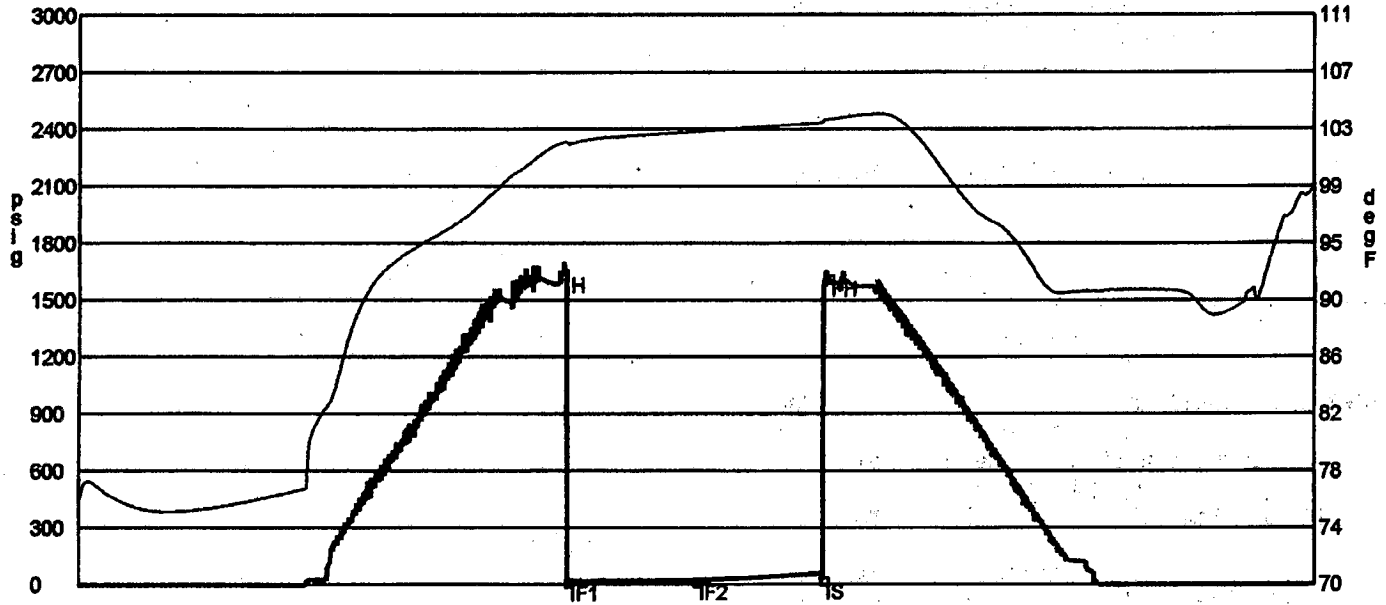
Elevation **0** Kelley Bushings **2021.00**

Start Date/Time **6/15/2010 8:27 AM**  
 End Date/Time **6/15/2010 1:19 PM**

Drill Collar Len **243.0**  
 Wght Pipe Len **0**  
 Formation **Lansing B-D**  
 Interval Top **3317.0** Bottom **3370.0**  
 Anchor Len Below **53.0** Between **0**  
 Total Depth **3370.0**  
 Blow Type **Weak blow building to 1/4" initial flow period. Times: 30, 30.**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
20	Drilling mud	0% 0ft	0% 0ft	0% 0ft	100% 20ft
DST Fluids		0			



	Date	Time	Pressure	Temp	
IH	6/15/2010 10:20:40 AM	1.894444	1639.671	101.829	Initial Hydro-static
IF1	6/15/2010 10:22:00 AM	1.916667	13.323	101.886	Initial Flow (1)
IF2	6/15/2010 10:52:10 AM	2.419444	19.387	102.662	Initial Flow (2)
IS	6/15/2010 11:22:30 AM	2.925	23.646	103.267	Initial Shut-In
FH	6/15/2010 11:23:40 AM	2.944444	1618.56	103.525	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke

Company **L D Drilling, Inc.**  
 Address **7 SW 26th Ave.**  
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Lease Name **Limestone Farms**  
 Lease # **1-20**  
 Legal Desc **S/2 SE NE NE**  
 Section **20**  
 Township **17S**  
 County **Barton**  
 Drilling Cont **Mallard Drilling #1**

Job Ticket **3084**  
 Range **15W**  
 State **KS**

Comments **Field: Pospishel**

**GENERAL INFORMATION**

Test # **2** Test Date **6/15/2010**  
 Tester **Jimmy Ricketts**  
 Test Type **Conventional Bottom Hole**  
**Successful Test**  
 # of Packers **2.0** Packer Size **6 3/4**

Mud Type **Gel Chem**  
 Mud Weight **9.4** Viscosity **48.0**  
 Filtrate **8.5** Chlorides **5000**

Drill Collar Len **243.0**  
 Wght Pipe Len **0**

Formation **Lansing E & F**  
 Interval Top **3367.0** Bottom **3400.0**  
 Anchor Len Below **33.0** Between **0**  
 Total Depth **3400.0**

Blow Type **Weak blow building to 1" initial flow period. Surface blow during final flow period. Times: 30, 30, 30, 30.**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **13767**  
 Mid Recorder #  
 Bott Recorder # **w1023**

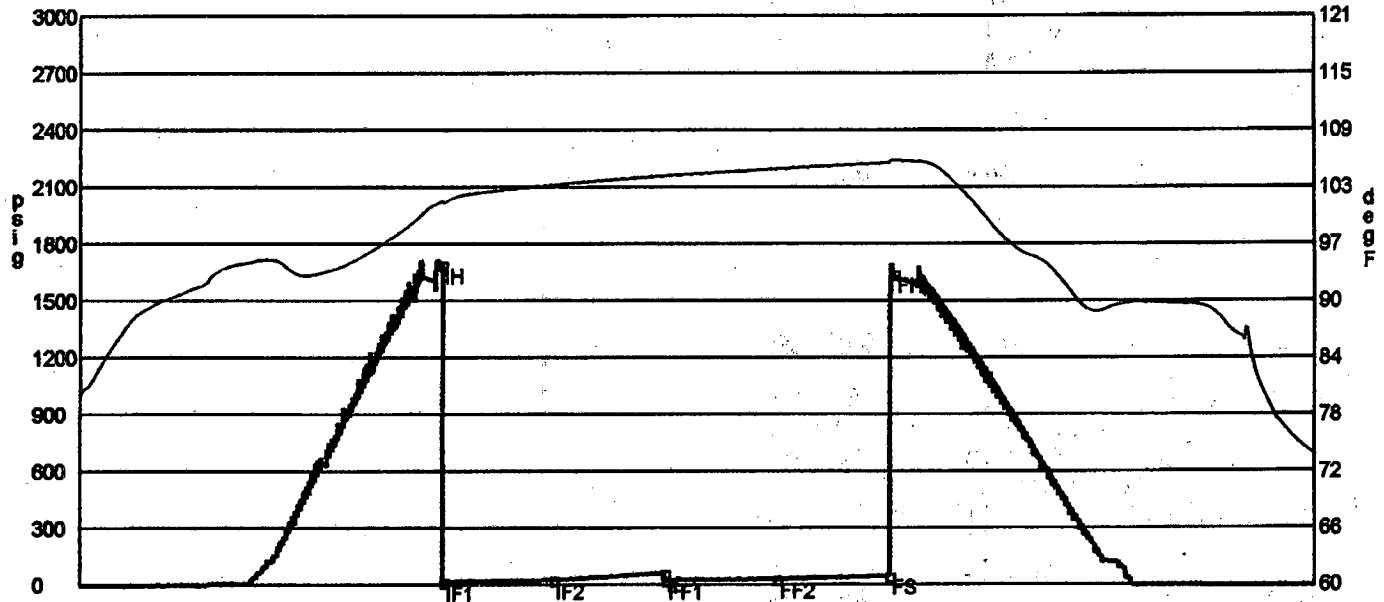
Mileage **44** Approved By  
 Standby Time **0**  
 Extra Equipmnt **Safety Joint**  
 Time on Site **6:30 PM**  
 Tool Picked Up **7:50 PM**  
 Tool Layed Dwn **1:00 AM**

Elevation **0** Kelley Bushings **2021.00**

Start Date/Time **6/15/2010 7:50 PM**  
 End Date/Time **6/16/2010 1:21 AM**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
35	Slight oil cut mud	0% 0ft	1% 0.4ft	0% 0ft	99% 34.6ft
DST Fluids		0			



	Date	Time	Pressure	Temp	
IH	6/15/2010 9:25:40 PM	1.594444	1690.276	101.163	Initial Hydro-static
IF1	6/15/2010 9:26:10 PM	1.602778	14.805	101.075	Initial Flow (1)
IF2	6/15/2010 9:56:10 PM	2.102778	24.116	102.946	Initial Flow (2)
IS	6/15/2010 10:25:50 PM	2.597222	61.24	103.91	Initial Shut-In
FF1	6/15/2010 10:26:10 PM	2.602778	21.153	103.919	Final Flow (1)
FF2	6/15/2010 10:56:00 PM	3.1	28.004	104.656	Final Flow (2)
FS	6/15/2010 11:26:30 PM	3.608333	46.449	105.319	Final Shut-In
FH	6/15/2010 11:27:40 PM	3.627778	1640.487	105.575	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke

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 Section **20**  
 Township **17S**  
 County **Barton**  
 Drilling Cont **Mallard Drilling #1**

Job Ticket **3084**  
 Range **15W**  
 State **KS**

Comments **Field: Pospishel**

**GENERAL INFORMATION**

Test # **3** Test Date **6/16/2010**  
 Tester **Jimmy Ricketts**  
 Test Type **Conventional Bottom Hole**  
**Successful Test**  
 # of Packers **2.0** Packer Size **6 3/4**  
 Mud Type **Gel Chem**  
 Mud Weight **9.4** Viscosity **46.0**  
 Filtrate **16.0** Chlorides **12000**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **13767**  
 Mid Recorder #  
 Bott Recorder # **w1023**

Mileage **44** Approved By  
 Standby Time **0**  
 Extra Equipmnt **Safety Joint**  
 Time on Site **2:00 PM**  
 Tool Picked Up **3:40 PM**  
 Tool Layed Dwn **9:30 PM**

Drill Collar Len **243.0**  
 Wght Pipe Len **0**

Elevation **0** Kelley Bushings **2021.00**

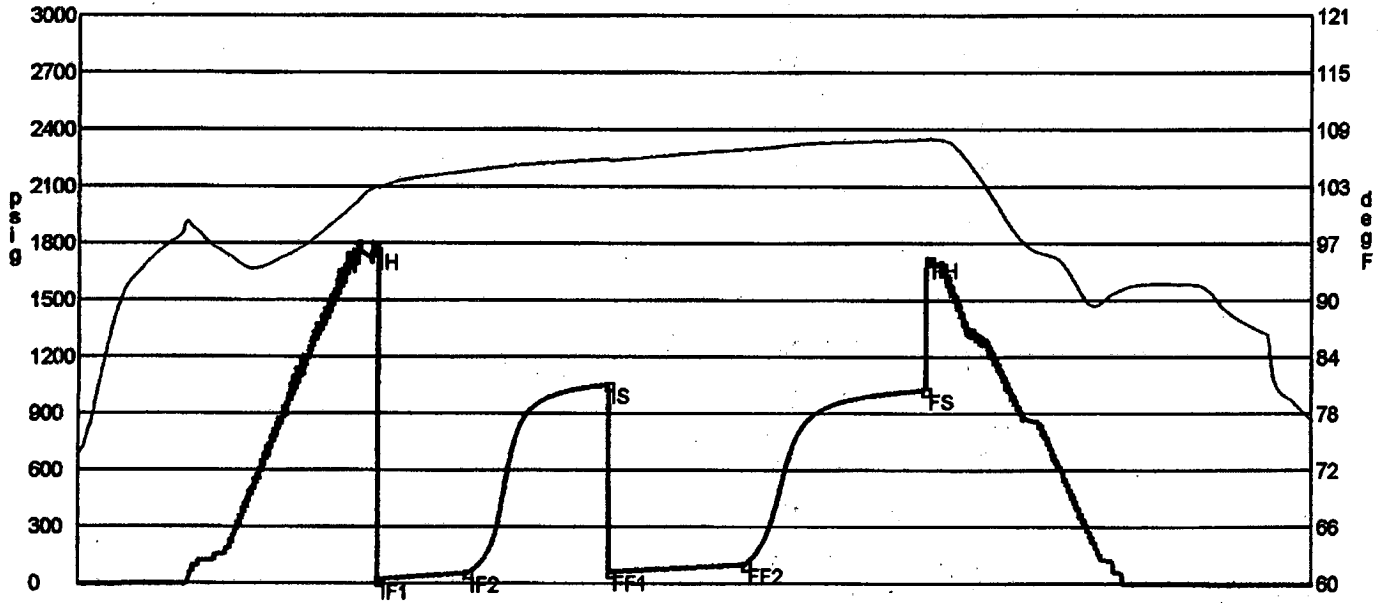
Formation **Arbuckle**  
 Interval Top **3528.0** Bottom **3581.0**  
 Anchor Len Below **53.0** Between **0**  
 Total Depth **3581.0**

Start Date/Time **6/16/2010 3:29 PM**  
 End Date/Time **6/16/2010 10:11 PM**

Blow Type **Weak blow building to 5" initial flow period. Weak blow building to 7" final flow period. Times: 30, 45, 45, 60.**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
200	Heavy oil cut mud	0% 0ft	32% 64ft	0% 0ft	68% 136ft
DST Fluids		0			



	Date	Time	Pressure	Temp	
IH	6/16/2010 5:04:40 PM	1.594444	1761.505	102.677	Initial Hydro-static
IF1	6/16/2010 5:05:40 PM	1.611111	17.238	102.624	Initial Flow (1)
IF2	6/16/2010 5:34:50 PM	2.097222	53.773	104.414	Initial Flow (2)
IS	6/16/2010 6:20:40 PM	2.861111	1052.132	105.655	Initial Shut-In
FF1	6/16/2010 6:21:20 PM	2.872222	61.922	105.527	Final Flow (1)
FF2	6/16/2010 7:05:20 PM	3.605556	98.988	106.708	Final Flow (2)
FS	6/16/2010 8:04:20 PM	4.588889	1023.353	107.733	Final Shut-In
FH	6/16/2010 8:05:10 PM	4.607778	1716.163	107.844	Final Hydro-static



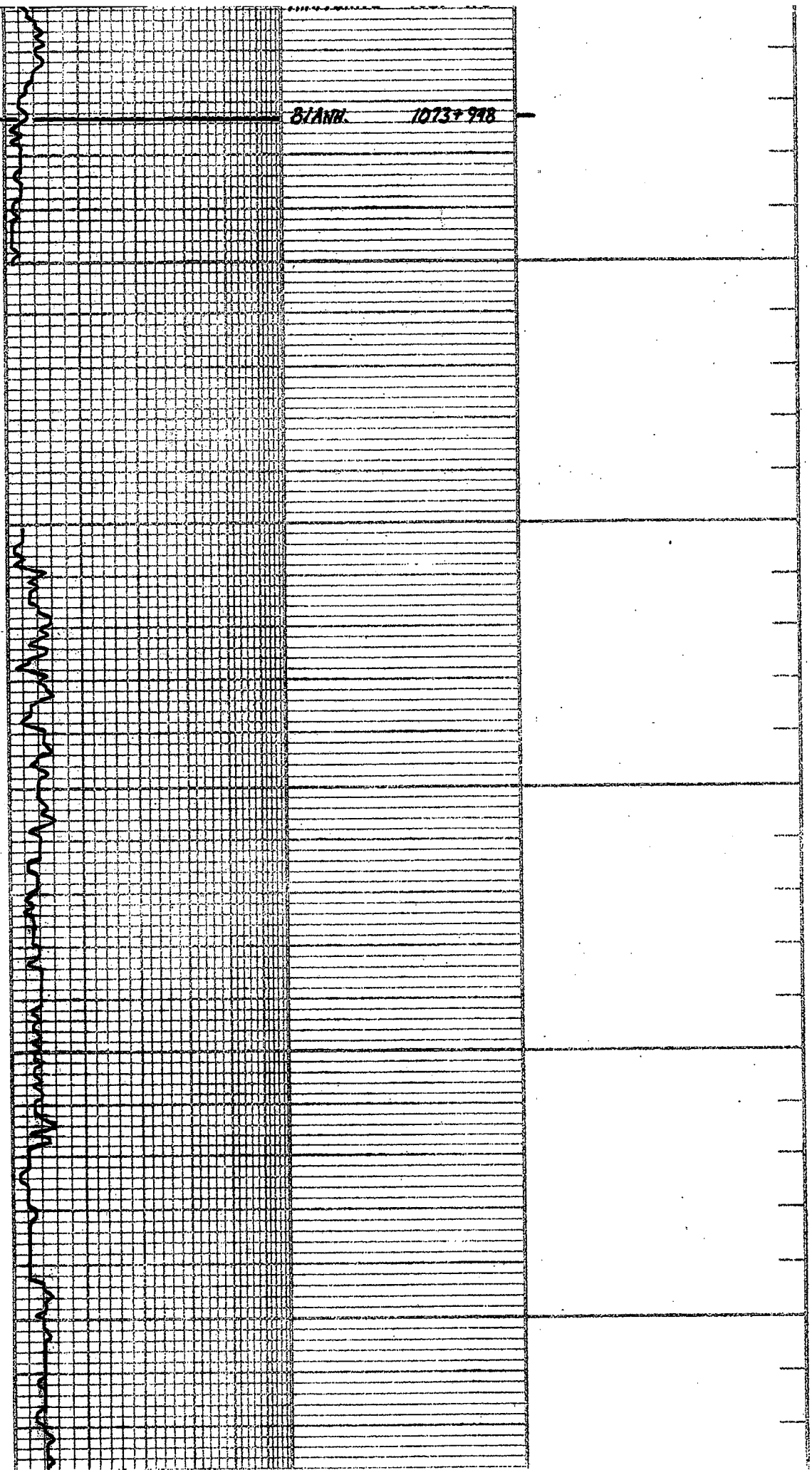


30

80

100

BIANCHI 1073+998



W.S. 12  
W.T. 8.9  
W.L. 12.0  
C.H. 1800

1000

TOP LOG

Sh. Lly. Co. Edge Silly

**TOPIKA 3015-999**

13. Tally. Knob of Casper

14. Tally. Sh. A

17. G. VSR. For. VSEA

18. Tally. VSR. For. 2nd

19. W. Lly. Sh. of St. Chly

20. T. and VSR. For. St. Chly

1100

Sh. Gp. Rly

Sh. Lly

21. Bly. St. For

Sh. Lly. Co.

22. B. and VSR. For. St. Chly

23. Tally. VSR. For?

Sh. Rly. Co.

24. T. and St. For

25. T. and St. For. VSR. A. VSR. Chly

26. T. and St. For. St. Chly

1200

27. Tally. VSR. For. VSR. A

28. T. and VSR. A

29. Tally. VSR. For. VSR. Chly

**NEENER 3296-1225**

Sh. For. Co.

3300

TORONTO

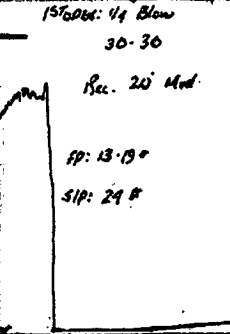
DOUGLAS

ls. Sand. v. sh. Silty  
 ls. sd. clay. v. sh. fine. v. sh. A  
 sh. sd. clay. ls.  
 sh. clay. ls. Silty

LANSING 3305-1284

ls. Sand. sh. fine. Silty  
 ls. dk. clay. med. Silty  
 sh. clay. med. Silty  
 ls. To sh. fine. Silty. B. top  
 Spld. to sh. T. to dk. blue. No. 0.00  
 sh.  
 ls. sd. clay. med. Silty. no. 0.00  
 Spl. to sh. ls. v. sh. dk. blue. No. 0.00

DST (1) 3317-3370



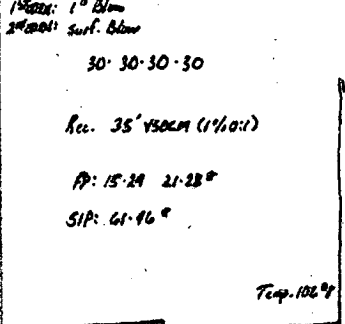
3400

DST (2)

VIS: 98  
 WT: 8.1  
 W: 10.2  
 CH: 30.00

ls. sd. clay. v. sh. fine. v. sh. clay.  
 ls. sd. sh. clay.  
 sh. clay.  
 sh. clay.  
 ls. sd. med. Silty. B. top  
 Spld. to sh. T. to dk. blue. No. 0.00  
 ls. To sh. fine. Silty. B. top  
 Spld. to sh. T. to dk. blue. No. 0.00  
 sh. clay.  
 ls. To sh. fine. Silty. B. top  
 Spld. to sh. T. to dk. blue. No. 0.00

DST (2) 3367-3400

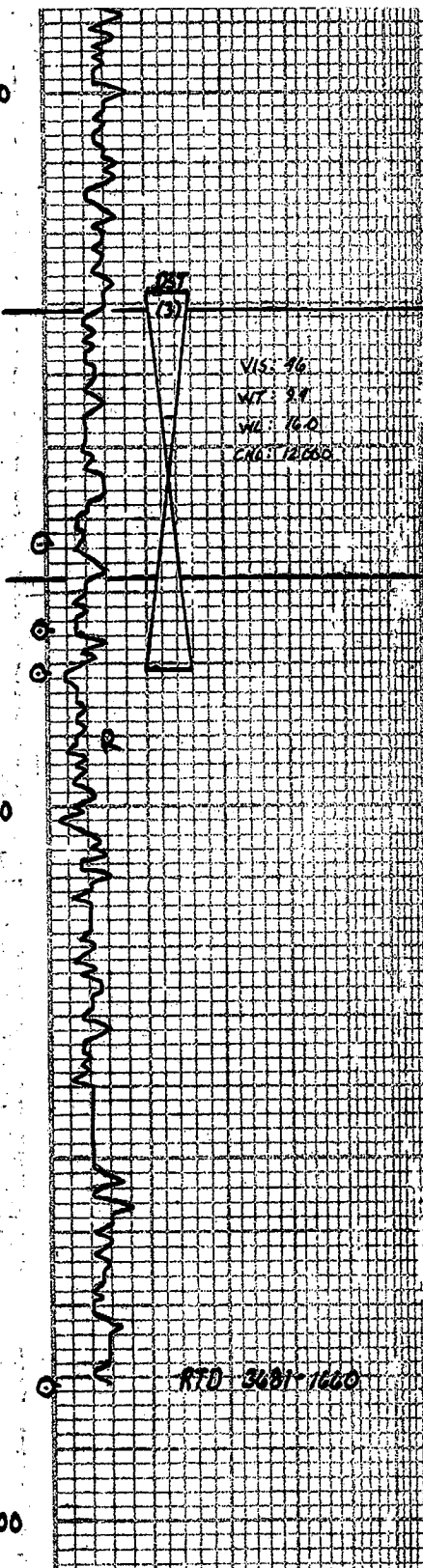


3500

ls. To sh. fine. Silty.  
 ls. sd. clay. sh. clay.  
 ls. To sh. fine. Silty.  
 sh. clay.  
 ls. To sh. fine. Silty. B. top  
 Spld. to sh. T. to dk. blue. No. 0.00  
 ls. sd. clay. sh. fine. Silty. B. top  
 Spld. to sh. T. to dk. blue. No. 0.00  
 sh. clay. ls.  
 ls. To sh. fine. Silty. B. top  
 ls. To sh. fine. Silty. B. top  
 ls. sd. clay.  
 sh. clay. ls.  
 ls. clay. v. sh. fine. Silty.

B/KC 3531-1510

3500



U. To. Co. SH. Pa. S. A.

Sh. ad. calc.

Sh. Br. Co.

U. 216, VSL. Pa. S. A.

**B/KC 3531-1510**

Sh. Rd. Blue. Co.

A. Feas. Co. Melkated.

Comp. Co. Wt.

**DST (13) 3528-3581**

137000' Blow count to 5"

SS: None  
SS: "

30-45-45-60

Rec. 200' HOCM  
(324600.687M)

FP: 17-54 62-59°

SIP: 1052-  
1023°

Temp 108°F

Sh. U. Br.

**ARBUCKLE 3568-1597**

Del. Co. Hilltop. P. V. G. T. G. W. Co. S. Pa. S. A. Bull. Penn. H. O. Co.

Del. Co. Hilltop. P. V. G. T. G. W. Co. S. Pa. S. A. Bull. Penn. H. O. Co.

Del. Co. Hilltop. P. V. G. T. G. W. Co. S. Pa. S. A. Bull. Penn. H. O. Co.

Del. Co. Hilltop. P. V. G. T. G. W. Co. S. Pa. S. A. Bull. Penn. H. O. Co.

Del. Co. Hilltop. P. V. G. T. G. W. Co. S. Pa. S. A. Bull. Penn. H. O. Co.

Del. Co. Hilltop. P. V. G. T. G. W. Co. S. Pa. S. A. Bull. Penn. H. O. Co.

Del. Co. Hilltop. P. V. G. T. G. W. Co. S. Pa. S. A. Bull. Penn. H. O. Co.

Del. Co. Hilltop. P. V. G. T. G. W. Co. S. Pa. S. A. Bull. Penn. H. O. Co.

Del. Co. Hilltop. P. V. G. T. G. W. Co. S. Pa. S. A. Bull. Penn. H. O. Co.

Del. Co. Hilltop. P. V. G. T. G. W. Co. S. Pa. S. A. Bull. Penn. H. O. Co.

**RTD 3681-1600**

3600

3700