



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1048487

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

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

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 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 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 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
_____ 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: Yes No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L.D. Drilling, Inc.
Well Name	KAUFMAN 1-33
Doc ID	1048487

All Electric Logs Run

DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG
SONIC CEMENT BOND LOG

Form	ACO1 - Well Completion
Operator	L.D. Drilling, Inc.
Well Name	KAUFMAN 1-33
Doc ID	1048487

Tops

Name	Top	Datum
ANHYDRITE	814	+1073
BASE	840	+1049
TOPEKA	2680	-793
HEEBNER SHALE	2962	-1075
TORONTO	2977	-1093
BROWN LIME	3050	-1163
LANSING	3061	-1174
BASE KANSAS CITY	3309	-1425
ARBUCKLE	3336	-1452
RTD	3401	-1517
LTD	3400	-1516

Customer L.D. DRILLING	Lease No.	Date 5-4-10
Lease KAUFMAN	Well # 1-33	
Field Order # 1890	Station PRATT, KS.	Casing 8 5/8
		Depth 427
Type Job CNLW-8 5/8 S.P.	Formation	County RUSSELL
		State KS.
		Legal Description 33-15-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft	CMT	Acid 255SK 60/40 Pz	RATE	PRESS	ISIP	
Depth 427'	Depth	From	To	Pre Pad @ 1.23 cuft³	Max		5 Min.	
Volume 25.5	Volume	From	To	Pad	Min		10 Min.	
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection 1 1/2"	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 407'	Packer Depth	From	To	Flush 25.5 H₂O	Gas Volume		Total Load	

Customer Representative **DOUG** Station Manager **D. SCOTT** Treater **K. LESLEY**

Service Units	27283	27463	19832	21010				
Driver Names	LESLEY	J. ANTHONY	MCGRAW					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00 PM					ON LOCATION! - SAFETY MEETING
8:00 PM					RUN CSG. 8 5/8" X 24# = 7 STS.
9:54 PM					CSG. ON BOTTOM
10:10 PM					HOOK UP TO CSG. - BREAK CIRC. W/ RIG
10:38 PM	250		5	5	H ₂ O AHEAD
10:40 PM	200		62	6	MIX 255SKS @ 14.7#/GAL
10:50 PM					SHUT DOWN - RELEASE PLUG
10:55 PM	100		0	5	START DISPLACEMENT
11:01 PM	200		25.5	4	PLUG DOWN! - CLOSED IN AT HEAD
					CIRCULATION! THRU JOB
					CIRCULATED 10 BBL TO PIT
					JOB COMPLETE,
					THANKS - KEEVEN LESLEY



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

0043120735
FIELD SERVICE TICKET

1718 1724 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>5-10-10</u> DISTRICT <u>KANSAS</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>L.O. Drilling Inc.</u>		LEASE <u>Kaufman</u> 1-33 WELL NO.							
ADDRESS		COUNTY <u>Russell</u> 33-15-12 STATE <u>KANS.</u>							
CITY STATE		SERVICE CREW <u>A. Wenth, J. Melson, D. Phe</u>							
AUTHORIZED BY		JOB TYPE: <u>5 1/2" L.S.</u> <u>CNW</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>28443 P.U.</u>	<u>1</u>					<u>5-10-10</u>	<u>5-10-10</u>	<u>AM</u>	<u>300</u>
<u>19959-20920</u>	<u>1</u>					ARRIVED AT JOB	<u>5-10-10</u>	<u>AM</u>	<u>530</u>
<u>9960-19918</u>	<u>1</u>					START OPERATION	<u>5-10-10</u>	<u>AM</u>	<u>900</u>
						FINISH OPERATION	<u>5-10-10</u>	<u>AM</u>	<u>1000</u>
						RELEASED	<u>5-10-10</u>	<u>PM</u>	<u>1100</u>
						MILES FROM STATION TO WELL	<u>80-miles</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: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 Poz		150-SK		\$ 1800.00
CP103	60/40 Poz		50-SK		\$ 600.00
CC111	SALT (Fine)		1334#		\$ 667.00
CC112	Cement Friction Reducer		625-lb		\$ 390.00
CC201	Gilsonite		750-lb		\$ 502.50
CF103	Top Rubber cement Plug 5 1/2"		1-EN		\$ 105.00
CF251	Guide shoe-regular 5 1/2" (Blue)		1-EN		\$ 250.00
CF1451	Flapper Type Insert Float valve 5 1/2"		1-EN		\$ 215.00
CF1651	Turbolizer 5 1/2" (Blue)		6-EN		\$ 660.00
CF04	CS-1L KCL Sub.		1-9M		\$ 35.00
CC151	mud Flush		500-gal		\$ 430.00
E100	unit mileage charge Pickup		80-mi		\$ 340.00
E101	Heavy Equip. mileage		160-mi		\$ 1120.00
E113	Bulk Delivery Charge		688-Tm		\$ 1100.80
CE204	Depth Charge 3001-4000'		1-4hrs		\$ 2160.00
CE240	Blending & mixing Service chg.		200-SK		\$ 280.00
CE504	Plug container utilization chg.		1-Job		\$ 250.00
S003	Service Supervisor first 8hrs onloc.		1-EN		\$ 175.00
SUB TOTAL					

CHEMICAL / ACID DATA:			

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

TOTAL
\$6,758.78

SERVICE REPRESENTATIVE <u>Allen F. Wenth</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Donny Buey</u>
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FIELD SERVICE ORDER NO. _____

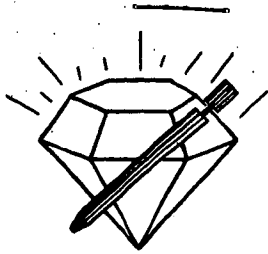
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer <i>L.A. Drilling Inc.</i>	Lease No.	Date <i>5-10-10</i>
Lease <i>Kaufman</i>	Well # <i>1-33</i>	
Field Order # <i>17181724A</i>	Station <i>Pratt KS</i>	Casing <i>5 1/2"</i>
Type Job <i>5 1/2" I.S.</i>	Formation <i>CNW</i>	Depth <i>3400'</i>
		County <i>Russell</i>
		State <i>Ks.</i>
		Legal Description <i>33-15-12</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<i>5 1/2"</i>			<i>20 BBL</i>	<i>2% KCL</i>				
Depth <i>3400</i>	Depth	From	To	Pre Pad	Max			5 Min.
Volume <i>82.6 BBL</i>	Volume	From	To	Pad	Min			10 Min.
Max Press <i>1000 #</i>	Max Press	From	To	Frac	Avg			15 Min.
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth <i>3386</i>	Packer Depth	From	To	Flush	Gas Volume			Total Load
				<i>Disp. Fresh water</i>				

Customer Representative <i>Doug - Tool pusher</i>	Station Manager <i>scotty</i>	Treater <i>Allen F. Worth</i>
Service Units <i>28443 19959 20920 19960 19918</i>		
Driver Names <i>Worth Joe melson Dale Phye</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	
<i>530 pm</i>					<i>D+S csg. crews Service Log Royal #2 on Loc. Discuss Safety, Setup, Plan Job</i>
<i>553</i>					<i>Rig Laying down Drill pipe out of Hole, Lay down Kelly + Rig up to Run 5 1/2" casing 14'</i>
<i>700</i>					<i>Start 5 1/2" casing, Shoe Joint 14' w/Reg. Guide Shoe, + Auto fill insert in collar cent-1-3-5-7-9-11</i>
<i>810</i>					<i>Tag Bottom @ 3401' Pickup to 3400' + CIR w/ Rig.</i>
<i>915</i>	<i>200 #</i>		<i>20</i>	<i>5 1/2</i>	<i>Start Pumping 20 BBL 2% KCL</i>
			<i>12</i>	<i>5 1/2</i>	<i>Pump 12 BBL mud Flush</i>
			<i>3</i>	<i>5 1/2</i>	<i>Pump 3 BBL H₂O</i>
					<i>Mix 150 sks 60/40 Por @ 15.4 #</i>
			<i>3 1/2</i>	<i>6 1/2</i>	<i>Finish mix - washout Pump Line</i>
<i>933</i>				<i>5</i>	<i>Drop Top Rubber Plug - Start Disp. caught 6 ft PST w/ 62 BBL out</i>
<i>945</i>	<i>1000 #</i>		<i>82 1/2</i>	<i>4</i>	<i>Plug down Release PST 0 #</i>
	<i>0 #</i>				<i>Plug Rat Hole w/ 30 sks 60/40 Por Plug mouse Hole w/ 20 sks 60/40 Por washup + Rackup Equip.</i>
<i>1100</i>					<i>Job complete + thanks Allen, Joe Dale</i>



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30037.D094

Company L. D. Drilling, Inc. Lease & Well No. Kaufman No. 1-33

Elevation 1886 KB Formation Lansing/Kansas City "A" "C" Effective Pay -- Ft. Ticket No. R094

Date 5-8-10 Sec. 33 Twp. 15S Range 12W County Russell State Kansas

Test Approved By Randall K. Kilian Diamond Representative Randy Williams

Formation Test No. 1 Interval Tested from 3,059 ft. to 3,110 ft. Total Depth 3,110 ft.

Packer Depth 3,054 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,059 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,049 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,107 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Royal Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 56 Weight Pipe Length -- ft. I.D. -- in.

Weight 8.9 Water Loss 8.8 cc. Drill Pipe Length 3,033 ft. I.D. 3 1/2 in.

Chlorides 2,800 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 20' perf. w/ 31' drill pipe Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak blow, building to 1 in. in 5 mins. No blow back during shut-in.

2nd Open: Weak blow, building to 1 1/2 ins. in 30 mins. No blow back during shut-in.

Recovered 15 ft. of oil specked mud = .213450 bbls. (Grind out: 2%-oil; 98%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 6%-oil; 94%-mud

Time Set Packer(s) 9:15 A.M. Time Started Off Bottom 11:20 P.M. Maximum Temperature 104°

Initial Hydrostatic Pressure (A) 1437 P.S.I.

Initial Flow Period Minutes 5 (B) 9 P.S.I. to (C) 13 P.S.I.

Initial Closed In Period Minutes 60 (D) 550 P.S.I.

Final Flow Period Minutes 30 (E) 19 P.S.I. to (F) 20 P.S.I.

Final Closed In Period Minutes 30 (G) 58 P.S.I.

Final Hydrostatic Pressure (H) 1435 P.S.I.

DIAMOND TESTING

Drill Test Report

General Information

Company Name L.D.DRILLING, INC

Contact L.D. DAVIS
Well Name KAUFMAN # 1-33
Unique Well ID DST # 1 LKC A-C 3059-3110
Surface Location SEC 33-15S-12W RUSSELL COUNTY
Field WILDCAT
Well Type Vertical

Job Number R094
Representative RANDY WILLIAMS
Well Operator L.D.DRILLING, INC
Report Date 2010/05/08
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST # 1 LKC A-C 3059-3110
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 07:35:00
Final Test Time 12:32:00

Start Test Date 2010/05/08
Final Test Date 2010/05/08

Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 15' OIL SPECED MUD, 2% OIL, 98% MUD

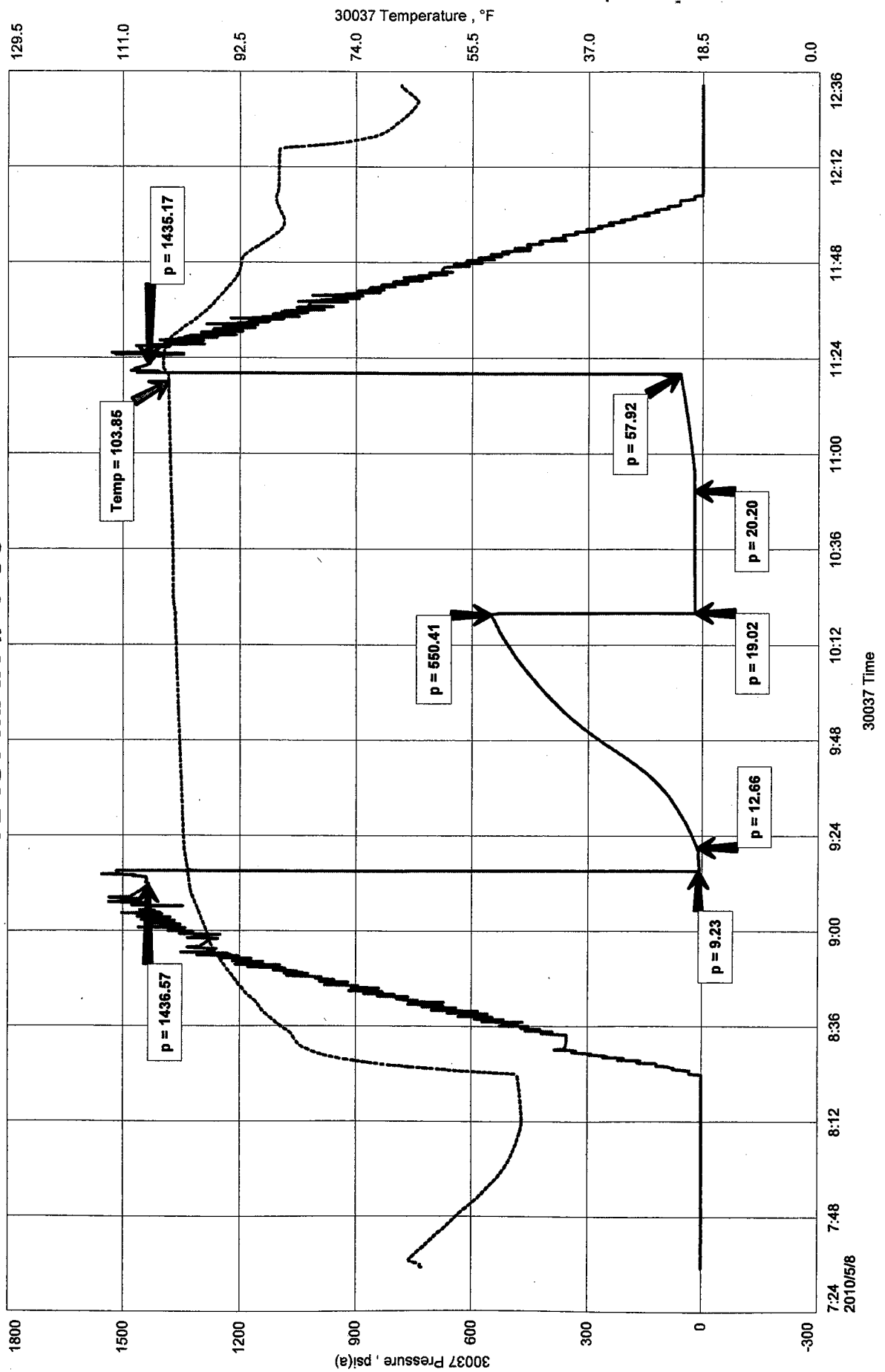
TOTAL FLUID: 15'

TOOL SAMPLE: 6% OIL, 94% MUD

L.D.DRILLING, INC
 DST # 1 LKC A-C 3059-3110
 Start Test Date: 2010/05/08
 Final Test Date: 2010/05/08

KAUFMAN # 1-33
 Formation: DST # 1 LKC A-C 3059-3110
 Pool: WILDCAT
 Job Number: R094

KAUFMAN # 1-33





DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30037.D095

Company L. D. Drilling, Inc. Lease & Well No. Kaufman No. 1-33
Elevation 1886 KB Formation Lansing/Kansas City "I" - "J" Effective Pay -- Ft. Ticket No. R095
Date 5-9-10 Sec. 33 Twp. 15S Range 12W County Russell State Kansas

Test Approved By Randall K. Kilian Diamond Representative Randy Williams

Formation Test No. 2 Interval Tested from 3,207 ft. to 3,250 ft. Total Depth 3,250 ft.

Packer Depth 3,202 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,207 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,196 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,247 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Royal Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 50 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.4 Water Loss 9.6 cc. Drill Pipe Length 3,181 ft. I.D. 3 1/2 in.

Chlorides 3,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 43 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow, building. Off bottom of bucket in 2 1/2 mins. No blow back during shut-in.

2nd Open: Strong blow, building. Off bottom of bucket in 1 min. No blow back during shut-in.

Recovered 2,108 ft. of gas in pipe

Recovered 310 ft. of gassy mud cut oil = 4.411300 bbls. (Grind out: 10%-gas; 25%-mud; 65%-oil)

Recovered 310 ft. of TOTAL FLUID = 4.411300 bbls.

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 65%-oil; 20%-water; 15%-mud

Time Set Packer(s) 1:19 A.M. ~~RXX~~ Time Started Off Bottom 4:54 A.M. ~~RXX~~ Maximum Temperature 111°

Initial Hydrostatic Pressure (A) 1512 P.S.I.

Initial Flow Period Minutes 5 (B) 12 P.S.I. to (C) 25 P.S.I.

Initial Closed In Period Minutes 60 (D) 744 P.S.I.

Final Flow Period Minutes 60 (E) 27 P.S.I. to (F) 121 P.S.I.

Final Closed In Period Minutes 90 (G) 720 P.S.I.

Final Hydrostatic Pressure (H) 1511 P.S.I.

DIAMOND TESTING

General Information

Company Name L.D.DRILLING, INC

Contact L.D. DAVIS
Well Name KAUFMAN # 1-33
Unique Well ID DST # 2 LKC I-J 3207-3250
Surface Location SEC 33-15S-12W RUSSELL COUNTY
Field WILDCAT
Well Type Vertical

Job Number R095
Representative RANDY WILLIAMS
Well Operator L.D.DRILLING, INC
Report Date 2010/05/09
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST # 2 LKC I-J 3207-3250
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 00:10:00
Final Test Time 06:30:00

Start Test Date 2010/05/09
Final Test Date 2010/05/09

Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 2108' GAS IN PIPE
310' GMCO, 10% GAS, 65% OIL, 25% MUD

TOTAL FLUID: 310'

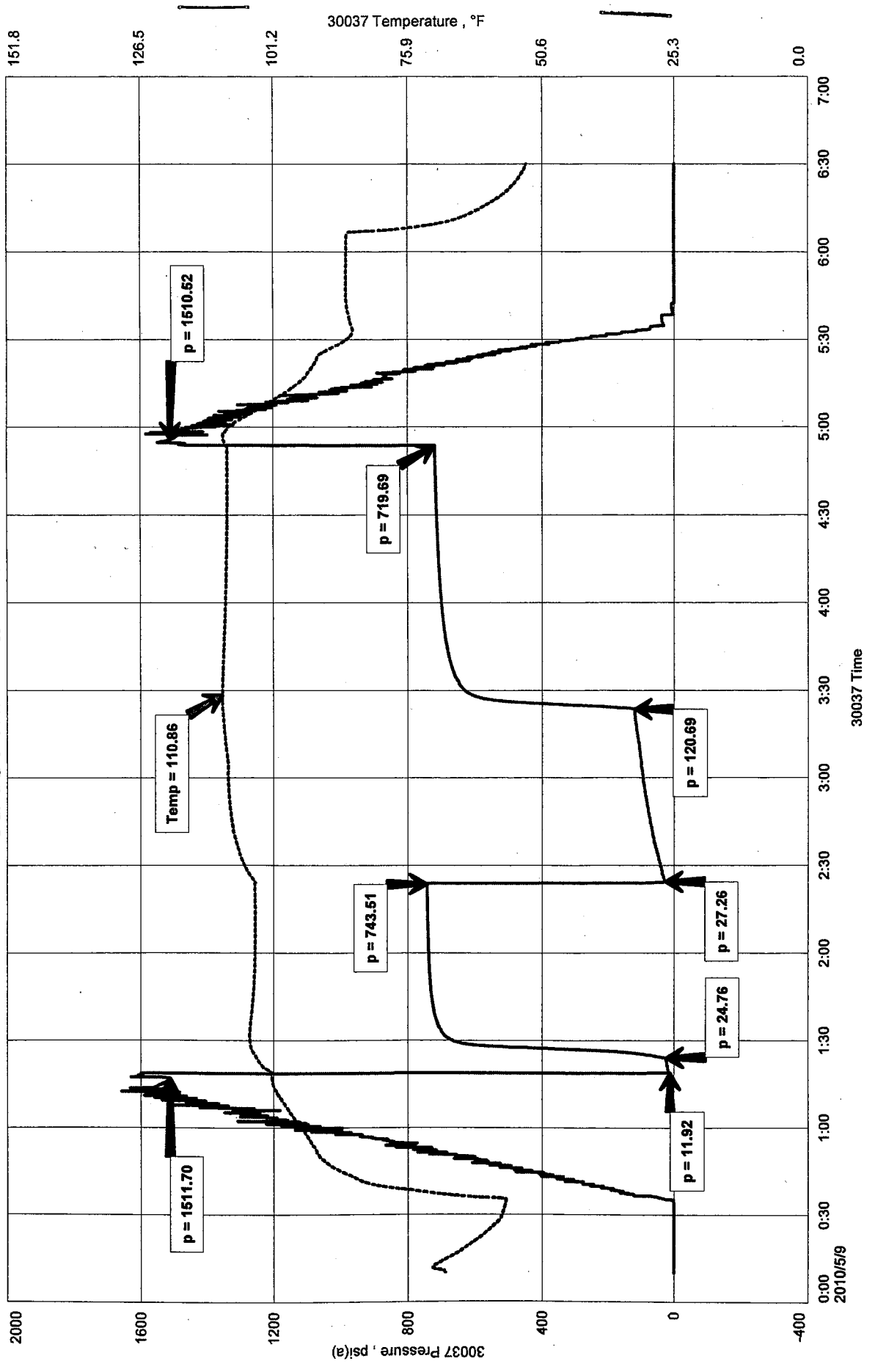
TOOL SAMPLE: 65% OIL, 20% WATER, 15% MUD

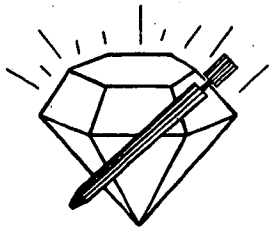
KAUFMAN # 1-33
 I-J 3207-3250
 Pool: WILDCAT
 Job Number: R095

Formation: DST # 2 LKC

L.D.DRILLING, INC
 DST # 2 LKC I-J 3207-3250
 Start Test Date: 2010/05/09
 Final Test Date: 2010/05/09

KAUFMAN # 1-33





DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30037.D096

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Kaufman No. 1-33
 Elevation 1886 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. R096
 Date 5-9-10 Sec. 33 Twp. 15S Range 12W County Russell State Kansas
 Test Approved By Randall K. Kilian Diamond Representative Randy Williams

Formation Test No. 3 Interval Tested from 3,280 ft. to 3,343 ft. Total Depth 3,343 ft.
 Packer Depth 3,275 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Packer Depth 3,280 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,269 ft. Recorder Number 30037 Cap. 5,000 psi
 Bottom Recorder Depth (Outside) 3,340 ft. Recorder Number 13386 Cap. 3,875 psi
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Royal Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
 Mud Type Chemical Viscosity 61 Weight Pipe Length -- ft. I.D. -- in.
 Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 3,254 ft. I.D. 3 1/2 in.
 Chlorides 5,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 32' perf. w/ 31' drill pipe Size 4 1/2 - FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Fair blow, building to 7 ins. in 5 mins. No blow back during shut-in.
2nd Open: Fair blow. Off bottom of bucket in 9 1/2 mins. Gas to surface (too small to measure). No blow back during shut-in.

Recovered 331 ft. of clean oil = 4.710130 bbls. (Grind out: 20%-gas; 80%-oil) Gravity: 42 @ 60°
 Recovered 180 ft. of gassy mud cut oil = 2.561400 bbls. (Grind out: 20%-gas; 35%-mud; 45%-oil)
 Recovered 511 ft. of TOTAL FLUID = 7.271530 bbls.
 Recovered ft. of
 Recovered ft. of
 Remarks Tool Sample Grind Out: 30%-oil; 70%-mud

Time Set Packer(s)	<u>7:38</u>	<u>AM.</u>	Time Started Off Bottom	<u>11:13</u>	<u>P.M.</u>	Maximum Temperature	<u>111°</u>
Initial Hydrostatic Pressure			(A)	<u>1541</u>	P.S.I.		
Initial Flow Period	Minutes	<u>5</u>	(B)	<u>13</u>	P.S.I. to (C)	<u>37</u>	P.S.I.
Initial Closed In Period	Minutes	<u>60</u>	(D)	<u>1064</u>	P.S.I.		
Final Flow Period	Minutes	<u>60</u>	(E)	<u>42</u>	P.S.I. to (F)	<u>204</u>	P.S.I.
Final Closed In Period	Minutes	<u>90</u>	(G)	<u>1053</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1537</u>	P.S.I.		

DIAMOND TESTING

General Information

Company Name L.D.DRILLING, INC

Contact L.D. DAVIS
Well Name KAUFMAN # 1-33
Unique Well ID DST # 3 ARBUCKLE 3280-3343
Surface Location SEC 33-15S-12W RUSSELL COUNTY
Field WILDCAT
Well Type Vertical

Job Number R096
Representative RANDY WILLIAMS
Well Operator L.D.DRILLING, INC
Report Date 2010/05/10
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST # 3 ARBUCKLE 3280-3343
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 18:10:00
Final Test Time 01:00:00

Start Test Date 2010/05/09
Final Test Date 2010/05/10

Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 331' CLEAN OIL, 20% GAS, 80% OIL API- 42 @ 60 DEG
180' GMCO, 20% GAS, 45% OIL, 35% MUD

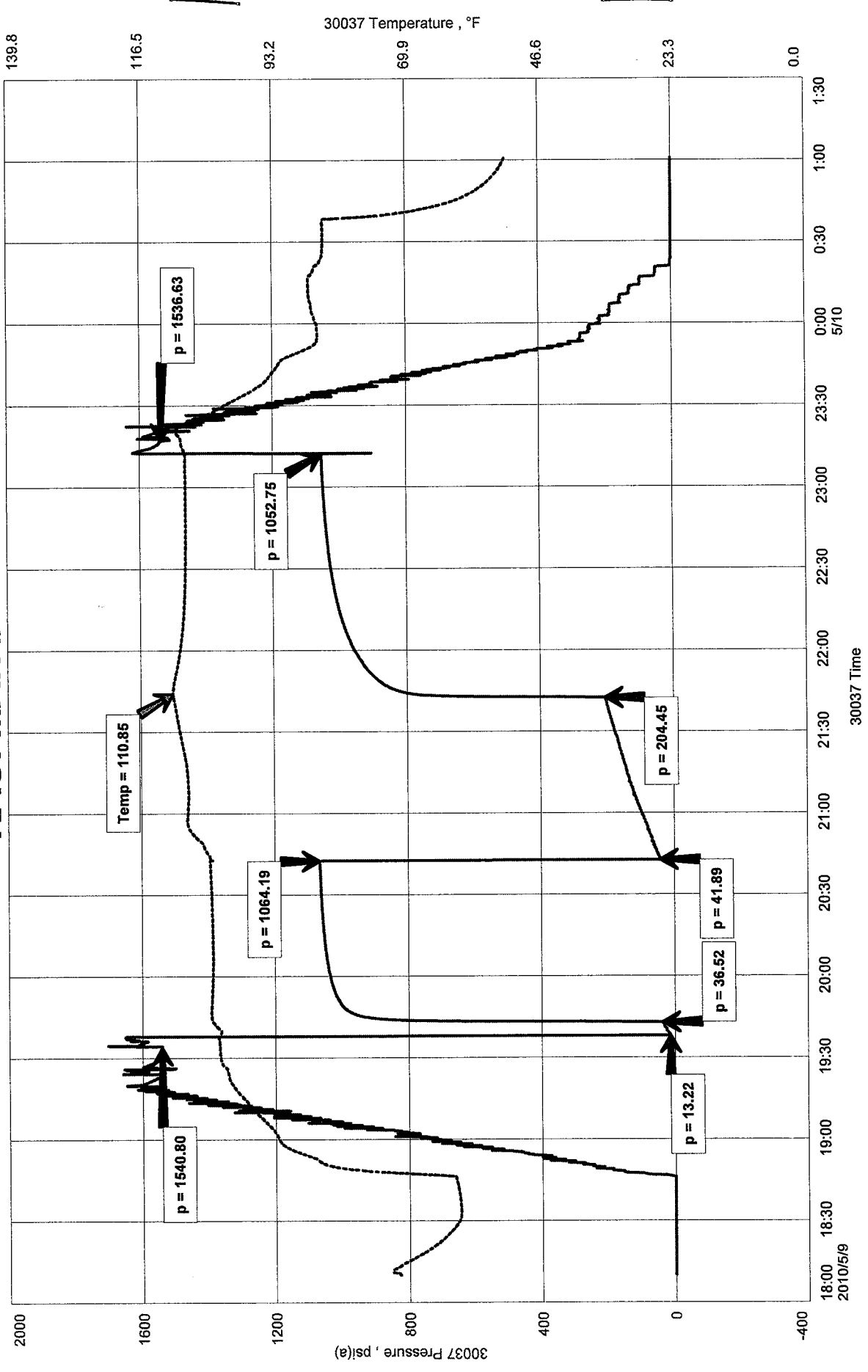
TOTAL FLUID: 511'

TOOL SAMPLE: 30% OIL, 70% MUD

L.D.DRILLING, INC
 DST # 3 ARBUCKLE 3280-3343
 Start Test Date: 2010/05/09
 Final Test Date: 2010/05/10

KAUFMAN # 1-33
 Formation: DST # 3 ARBUCKLE 3280-3343
 Pool: WILDCAT
 Job Number: R096

KAUFMAN # 1-33



Randall Kilian Corporation
Geologist



**Certified Petroleum
Geologist #3351
License #224**

P.O. Box 26
Hays, Kansas 67601-0026
Phone: 785-628-6061
Cell: 785-635-1349

GEOLOGIST'S WELL REPORT

COMPANY L.D. DRILLING, INC. (6039)

WELL Kaufman #1-33

FIELD Beaver North

LOCATION (legal) Ad. SW NE SW SE
(840' FSL & 1790' FEL)

Section 33 TWP 15S RGE 12W

(Map) 4½ mi N. of Beaver, Ks.

COUNTY Russell STATE Kansas

ELEVATION: 1886' K.B., 1879' G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-167-23624

GEOLOGY BY Randall Kilian

PERTINENT WELL DATA

CONTRACTOR Royal Drilling Co. (33905)

RIG #2 HYDRAULICS D-375 6x14x60
(Doug Budig TP)

DRILL PIPE 4½" X-H COLLARS 6½ x 2½ 14 (435')

CASING: SURFACE 8 5/8" @ 427' w/ 285 sx 60/40 Poz

PRODUCTION 5 ½" @ 3398' w/ 150 sx Common

DRILLING FLUID: COMPANY Andy's Mud & Chemical Co.
(Dennis Rector)

TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY Diamond Testing
(Randy Williams)

NUMBER OF TESTS Three (3)

ELECTIC LOGS: COMPANY Pioneer-Log Tech Inc.

DETAIL (5") 2600' - RTD

TYPE DI, Comp N-D, Micro

DRILLING TIME FROM 2600' TO RTD

SAMPLE TIME FROM 2600' TO RTD

SUPERVISION FROM 2600' TO RTD

VERTICAL DEVIATION 1°@ 427', 1½°@ 3110', 1°@ 3401'

PLUGGING REPORT 30 sx Rat, 15 sx Mouse

RESERVE PIT 800 bbls., Chl. 68,000

DATE:

5-4-10

5-5-10

5-6-10

5-7-10

5-8-10

5-9-10

5-10-10

DAILY REPORT

DATE:	7 a.m. Depth	RIG ACTIVITY
5-4-10		MIRU, Spud
5-5-10	427'	WOC
5-6-10	1870'	Drilling shale & lime
5-7-10	2690'	Drilling Topeka lime
5-8-10	3110'	DST #1 LKc A-C
5-9-10	3250'	DST #2 LKc I-J
5-10-10	3401'	TD, Logging, Run casing

DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	LKc A-C 3059- 3110'	9# 13# 5"	550# 60"	19# 20# 30"	58# 30"	1437# 1435#	15' Mud w/ s.o.
2	LKc I-J 3207- 3250'	12# 25# 5"	744# 60"	27# 121# 60"	720# 90"	1512# 1511#	2108' GIP 310' M,G,Oil
3	Arb. 3280- 3343'	13# 37# 5"	1064# 60"	42# 204# 60"	1053# 90"	1541# 1537#	GTS 511' M,G,Oil 42°
4							
5							
6							
7							
8							

JD RECORD

WT	VIS	FIL	CHL	YP
8.9	56	8.8	2.8k	18
9.0	55			
9.4	50	8.5	3k	16
9.2	51			
9.1	60			
9.3	61	8.8	5k	15
9.2	48			
9.4	61	10.4	4k	20

BIT RECORD

MAKE	TYPE	DEPTH	FEET	HOURS
JZ	GJ11SC	427'	427'	4 ½
JZ	OX20	3401'	2974'	71 ½

Displaced
LCM 1 ½#
LCM 1#
LCM 1# \$4867
Add mud
LCM 1# \$5179

FOF

T
15
S

STRAT
MAR

Anhyd
Base
Topek
Heeb
Toror
Brown
Lansi
BKc
Arbu
TD.

Pipe

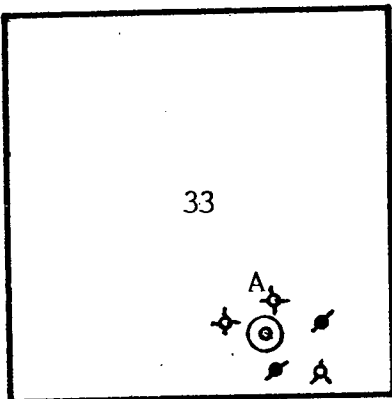
401'

FORMATION TOPS & STRUCTURAL GEOLOGY

R 12 W

REFERRED TO:

- A: NORSTAR PETROLEUM INC.
- Kaufman #1-33 Ap. E $\frac{1}{2}$ W $\frac{1}{2}$ SE 33
- B: _____
- C: _____
- D: _____
- E: _____



STRATIGRAPHIC MARKERS	SUBJECT WELL			STRUCTURAL POSITION				
	SAMPLE	E. LOG	DATUM	A	B	C	D	E
Anhydrite	815'	814'	+1072	+1073				
Base	840'	840'	+1046	+1049				
Topeka	2680'	2680'	- 794	- 793				
Heeb. Sh.	2964'	2962'	-1076	-1075				
Toronto	2978'	2977'	-1091	-1093				
Brown lm.	3051'	3050'	-1164	-1163				
Lansing	3062'	3061'	-1175	-1174				
BKc.	3307'	3309'	-1423	-1425				
Arbuckle	3333'	3336'	-1450	-				
TD.	3401'	3400'	-1514	-1473				

Pipe strap .77' short.

SUMMARY

The Kaufman #1-33 well was drilled with Royal Drilling Co. tools rig #2 beginning 5-4-10 and drilling was completed 5-10-10.

The drillsite was located via a 3-D seismic survey. The drillsite was a development location.

The well ran a bit low to nearby producers and a bit low to seismic expectations. However, two (2) commercial DST's were run.

Based upon all data, 5 $\frac{1}{2}$ " casing was set and cemented to further test and produce the well.

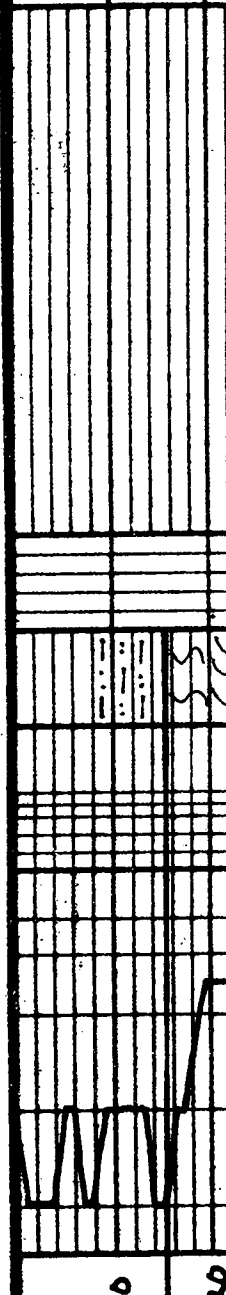
Recommended perfs; Arb. (Sd?) 3337-40', LKc J 3231-36', LKc I 3215-20'.

Respectfully,

Randall Kilian

ø & SHOWS
POOR
FAIR
GOOD
DST

DRILLING TIME (min/ft)
1/2 1 2 3 4 5678910



LITHOLOGY (LAGGED)

REMARKS

REMARKS

LITHOLOGY (LAGGED)

POOR
FAIR
GOOD
DST

1/2 1 2 3 4 5678910

Displaced @ 2,500'

geo on location
2:00am 5-7-10

sh. siltst. - gray - brn

ls. tan, brn, gray - fossil - fr. xln.

sh. siltst. gray - brn

ls. tan, brn, gray - fossil - fr. xln.

ls. slate

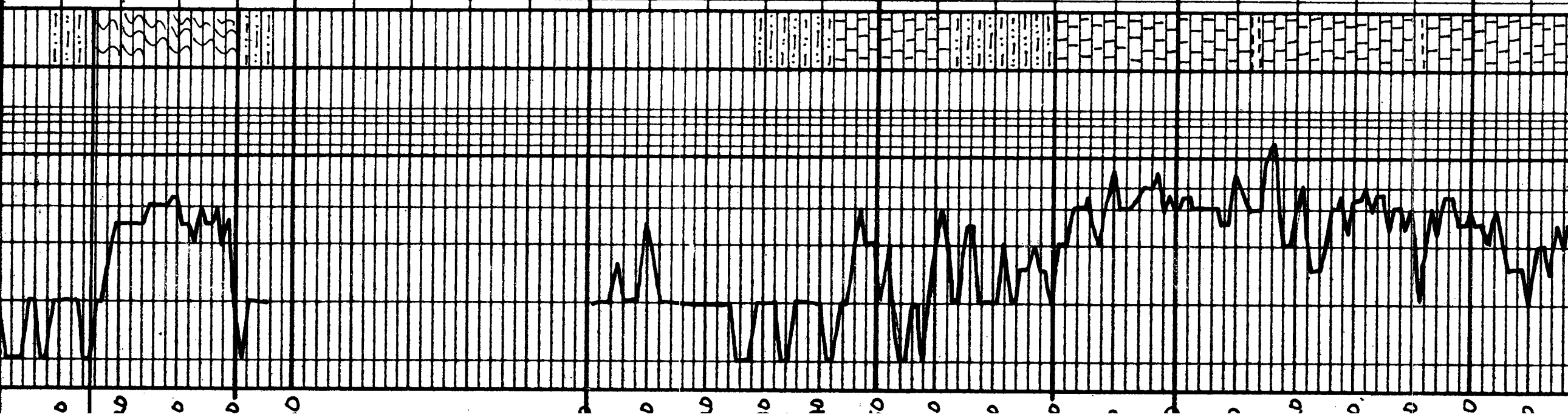
ls. slate

sh. dark gray

ls. brn, gray - fossil - fr. xln. fossil
sl. dark gray

sh. gray

ls. tan, brn, gray - fossil - fr. xln.



LS - Tan. - grey - fm. xln. fossil
sh. cherty

LS a la

sh. dark grey

sh. sst - grey - brn. - gm.

sh. sst a la

LS - Tan - brn - ls. grey - fm.
xln. fossil,

LS a la

LS - off wh. - brn. - fm. xln.
fossil.

sh. dark grey - blk

LS - off wh. - tan. - fm. xln. fossil.
off wh. poor. thin. sh. sst.
on s. thin. sh. sst. s. blk.

LS - off wh. - tan. - fm. xln. fossil

LS a la

LS - off wh. - tan. - fm. xln. fossil.
sh. cherty, s. blk.

LS a la

sh. blk. carb. fissile

LS - Tan. - fm. xln.

sh. sst - grey - brn. - gm.

LS - off wh. - tan. - fm. xln. fossil.
off wh. poor. thin. sh. sst.
on s. thin. sh. sst. s. blk.

sh. sst - grey - tan - gm. qtz
dirty

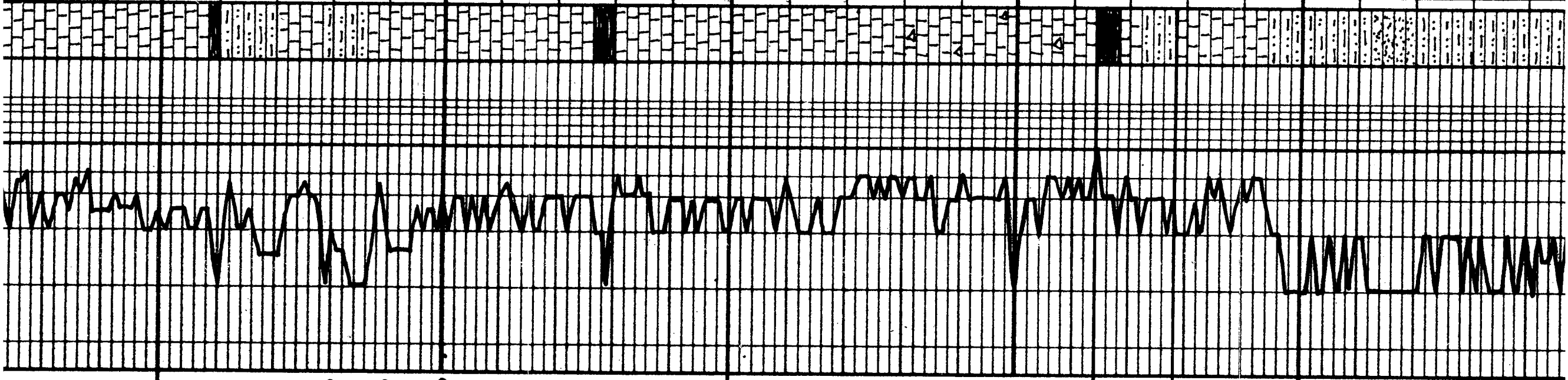
SS - blk. - tan. - fm. xln. clean, rain. sh.

sh. sst - grey - brn. - gm.

a la

Mud
Vis. - 56 VP - 18
WT - 8.9 CHL - 3.8K
WL - 8.8 LEM - 1.4H

Mud
Vis. - 55
WT - 9.0



sh. siltst-gr. brn-grn.

ala

LS - tan-brn - fn. xln. silt fossil.

sh. siltst-gr.

LS - tan - fn. xln. ool. fossil w/ 15% ool. silt. silt. odor.

sh-gr.

LS - offwh-gr. fn. xln. ool w/ 15% ool. silt. silt. odor.

sh-gr.

LS - brn-gr. fn. xln. fossil, silt. silt. pyrite

LS - tan-gr. fn. xln. fossil, chalky

sh-gr-brn.

LS - offwh-fn. xln. fossil w/ 15% ool. silt. silt. chalky silt. pyrite

sh-gr.

LS - offwh-brn-gr. fn. xln. ool w/ 15% ool. silt. chalky silt. silt. pyrite

LS - offwh-brn-gr. fn. xln. silt. pyrite

sh. siltst-gr-brn.

LS - offwh-brn. silt. silt. pyrite.

sh. siltst-gr-brn.

LS - offwh-brn-fn. xln. fossil w/ 15% ool. silt. silt. odor.

sh-gr.

LS - offwh-fn. xln. ool. w/ 15% ool. silt. silt. odor.

sh-dark gr-brk

sh. siltst-gr-brn-grn. soft.

LS - offwh-brn-gr. fn. xln. fossil, silt. chalky

sh-dark gr-brk

sh. siltst-gr-brn.

DST# 1 LK AC

3059-3110

5" 60" 30' 30"

15' 0" SP, Mud

FP. 9-13 19-20"

S.I.P. 530-58"

stmp. 77 short.

dev. 1 1/2

Mud

US-50 Mud

WT. 9.1 US-50 XP-14

WT. 9.4 CM. 34

WL. 8.5 CM. 14

Mud

US-51

WT. 9.2

Mud

US-60

WT. 9.1

DST# 2 LK I-J

3207-3250

5" 60" 20' 90"

2108' G.I.P.

310' G.M.OIL

FP. 12-25 27-121"

S.I.P. 744-720"

Mud

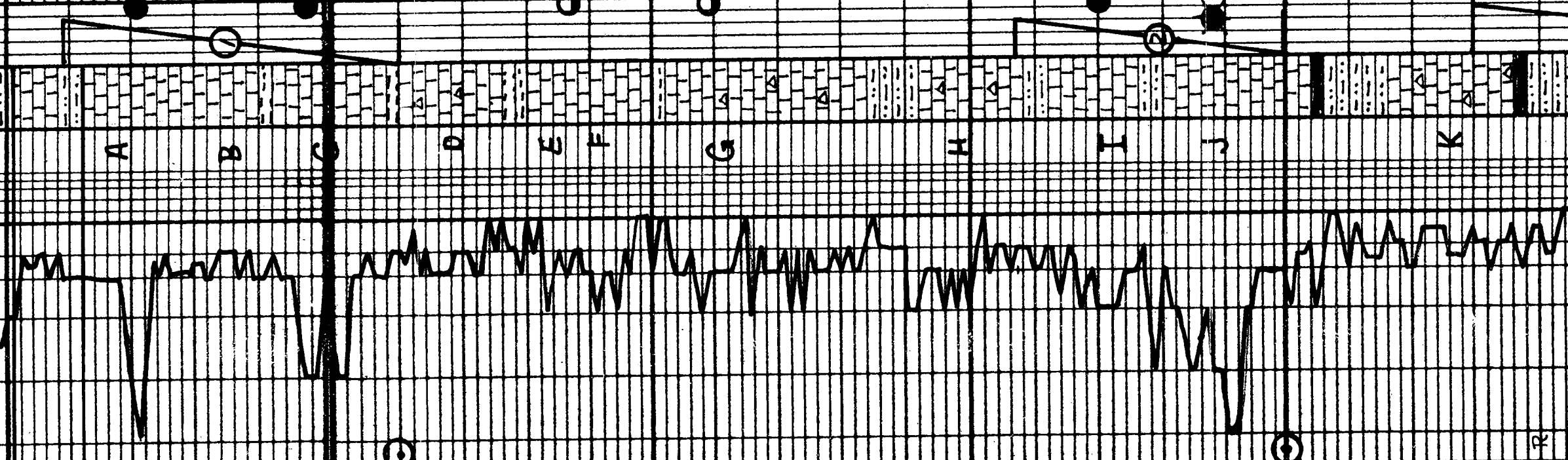
US-61 Y.P.-15

WT. 9.3 CM. 5K

WL. 8.8 CM. 14

DST# 3 ARO

2200-3200



S: 60-40-40"
 G.I.S.
 511 M.G.OIL 420
 F.P. 13-37, 42-204
 S.M. 1064-1063

LS - offwh - tan. Frg. Mn. Chalky
 Sh. gr.

LS - offwh - brn. Mn. Chalky

Sh. gr. - red - gry soft

Sh. gr. - waxy. Sandy

Dolo - offwh. fr. Mn. fine green

Dolo - offwh. med Mn. w/ fr. in bl. Mn. p. oil sat. good odor.

Dolo - offwh. med Mn. w/ fr. - poor Mn. Mn. p. oil sat. fr. odor.

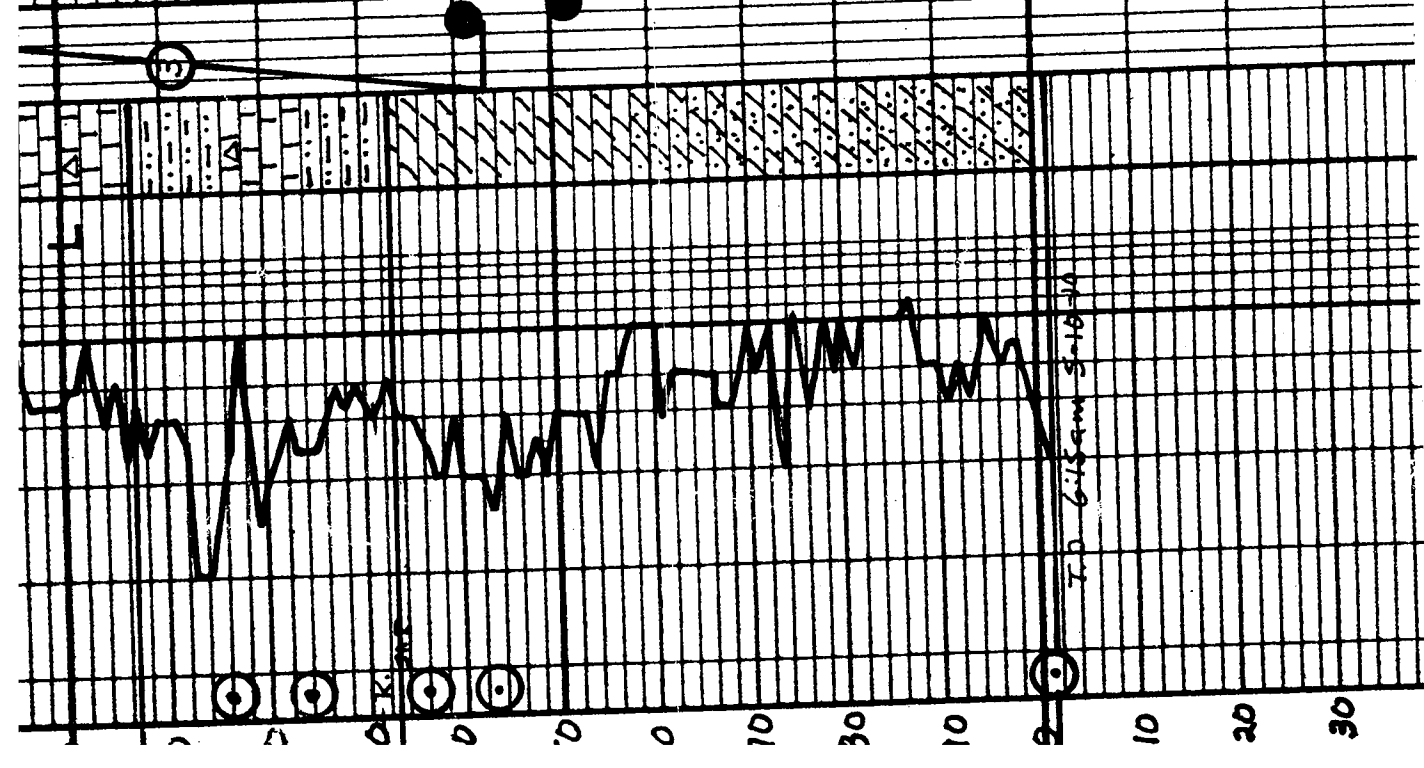
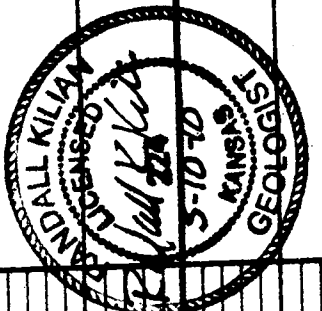
Dolo - offwh. w/ fr. grns. fine, mostly green

Dolo - offwh. w/ fr. grns. fine green

Dolo - fr. grns.

Mud

Vis - 61 KR-20
 wt - 9.4 ent - 4K
 wt - 10.4 BCM 1B



T.D. Gilson 5-10-70