



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1270133
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1270133

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

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

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

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

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

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

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

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

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	KEASLING-PORSCH UNIT 1
Doc ID	1270133

Tops

Name	Top	Datum
ANHYDRITE	2558	+282
BASE ANHYDRITE	2596	+243
STOTLER	3616	-777
HEEBNER	3934	-1095
LANSING	3980	-1141
MUNCIE CREEK	4086	-1247
BASE KANSAS CITY	4194	-1355
FORT SCOTT	4390	-1551
CHEROKEE	4405	-1566
MISSISSIPPI	4500	-1661



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

32-6-29

FIELD SERVICE TICKET
1718 12716 A

DATE _____ TICKET NO. _____

DATE OF JOB: 10-3-15	DISTRICT: Pratt	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:		
CUSTOMER: L.D. Drilling inc		LEASE: Keasling-Porsch unit					WELL NO. 1		
ADDRESS:		COUNTY: Sheridan			STATE: KS				
CITY:		SERVICE CREW: Mattal, Ernst, Piro							
AUTHORIZED BY:		JOB TYPE: CNW 8 5/8 SURF							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
19905	.5						10-2-15	4:30	
						ARRIVED AT JOB		10:00	
73768	.25					START OPERATION	10-3	12:05	
						FINISH OPERATION		12:30	
						RELEASED		1:25	
						MILES FROM STATION TO WELL		100	

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

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

SIGNED: *X Robert W. [Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	60/40 P02	SK	300		3,600.00
CC 102	CELLULIFAK	lb	75		277.50
CC 109	Calcium chloride	lb	774		812.70
E 100	P.M. Miller	Mi	100		450.00
E 101	heavy eq. Miles	Mi	200		1,500.00
E 113	PROP + bulk del.	PM	1290		3,225.00
CC 200	depth charge 0-500'	4h.	1		1,000.00
CC 240	blend + mix charge	SK	300		420.00
S 007	Supervisor	PA	1		175.00
SUB TOTAL					11,460.20

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		5,730.10

SERVICE REPRESENTATIVE: Mike Morral	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>X Robert W. [Signature]</i>
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)	

FIELD SERVICE ORDER NO.

Customer L.D. Drilling inc	Lease No.	Date 10-3-15
Lease Kearling-Porsch unit	Well # 1	
Field Order # 12716	Station Pratt	Casing 8 5/8 Depth 357 County Sheridan State KS
Type Job CNW 8 5/8 surface	Formation	Legal Description 32-6-29

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid cmi 300 sds 60/40	RATE	PRESS	ISIP	
Depth 357	Depth	From	To	Pre Pad 2% gal 3%	Max 1/4	C.F.		5 Min.
Volume 22.7	Volume	From	To	Pad	Min			10 Min.
Max Press 150	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 337	Packer Depth	From	To	Flush 21.4	Gas Volume			Total Load

Customer Representative **L.D. Davis** Station Manager **Kenna Guidry** Treater **Mik Mattal**

Service Units	37586	77686	19905	70959	73769				
Driver Names	Mattal	Ernst		Pierce					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00					ON LOCATION / SAFETY MEETING
10:40					RUN 8 5/8 23' casing
11:45					CASING ON BOTTOM
11:55					HOOK TO CASING / BREAK CIRC. W. RIG
12:05	100		3	5	PUMP 3 bbl WATER
12:00	100		64	5	MIX 300 sds 60/40 POZ @ 14.8#
12:25	150		-	5	START DISPLACEMENT
12:27	150		21.4	-	PLUG DOWN CMI TO SURFACE
					5 BBL TO SURFACE
					JOB COMPLETE
					TIMOTHY KOUTER
					MIK MATTAL
					SHAWN ROCKY



BASICSM
ENERGY SERVICES

PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 06473 A

DATE _____ TICKET NO. _____

DATE OF JOB: 10-10-15 DISTRICT: 717		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:								
CUSTOMER: LD Drilling		LEASE: Keasling - Prosser Unit #1 WELL NO. 1								
ADDRESS:		COUNTY: Sheridan		STATE: KS						
CITY:		STATE:		SERVICE CREW: M Ramirez, E Mendoza						
AUTHORIZED BY: T Davis		JOB TYPE: 241 - PTA								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME	
78940	4						10-10-15	AM	1:00	
94319	4					ARRIVED AT JOB		AM	5:00	
191847	4					START OPERATION		AM	6:00	
27808	4					FINISH OPERATION		PM	3:00	
19883	4					RELEASED		PM	4:00	
						MILES FROM STATION TO WELL	100 mi			

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	SC	240		2880.00	
CP102	Gulllake	lb	61		225.70	
CC200	Cement Grel	lb	414		103.50	
E100	Unit Mileage	mi	100		450.00	
E101	Heavy Equipment Mileage	mi	200		1500.00	
E113	Propellant 10 Bulk Delivery	lb/US	1035		2587.50	
CE203	Fluid Daily 2001-3000	hr	1		1800.00	
CE240	Blending & Mixture Service	SC	240		336.00	
SO03	Service Supervisor	ea	1		175.00	
					SUB TOTAL	5028.80

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE:
FIELD SERVICE ORDER NO.:

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

Cement Report

Customer	LD	Lease No.		Date	10-10-15
Lease	Kearney-Porsch Unit	Well #		Service Receipt	06473
Casing	Depth	County	Sherridan	State	KS
Job Type	241-PTA	Formation		Legal Description	32-6-29

Pipe Data		Perforating Data		Cement Data
Casing size	Tubing Size	Shots/Ft		Lead
Depth	Depth	From	To	Tail in 240 sk 60/40 Poz
Volume	Volume	From	To	
Max Press	Max Press	From	To	
Well Connection	Annulus Vol.	From	To	
Plug Depth	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00					on loc-site assessment
8:45					spot + wks - rig up
9:30					safety meeting - SSA
9:45					pressure test - 4000#
9:30					CRC @ 2580'
	50		13.4	4	mix + pump 50 sk 60/40 Poz
	50		31	4	disp balanced plug - toh
					CRC @ 1760'
	50		26.8	4	mix + pump 100 sk 60/40 Poz
	50		18	4	disp balanced plug - toh
					CRC @ 440'
	50		13.4	4	mix + pump 50 sk 60/40 Poz
	50		2	4	disp balanced plug - toh
					CRC @ 40'
	50		3	3	mix + pump 10 sk 60/40 Poz
					CRC cont to surface
1:00					plug rat + mouse holes
					w/ 50 sk
					job complete

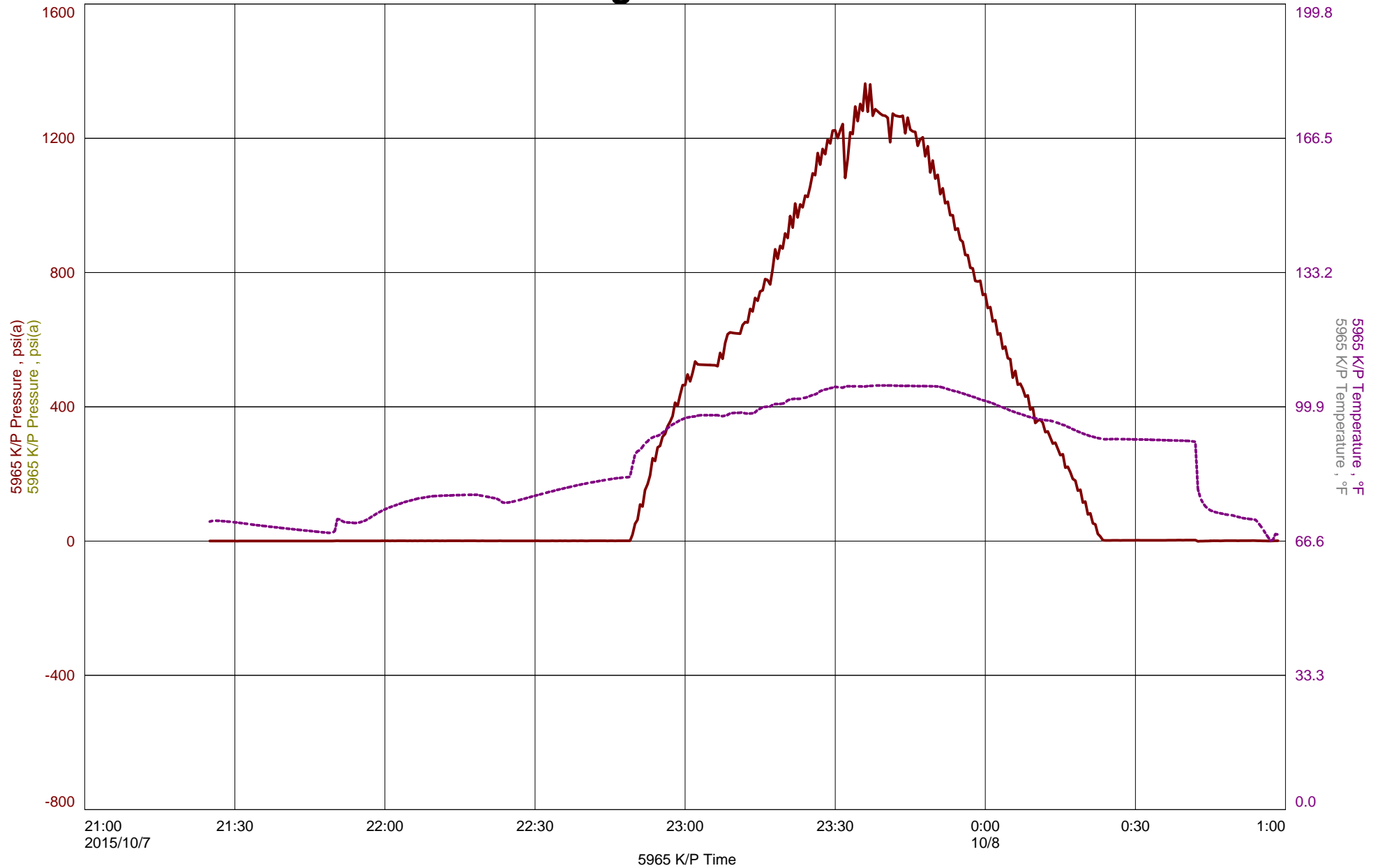
Service Units	78940	9341010842	27808-19883		
Driver Names	A. Duen	M. Ramirez	E. Medora		

Customer Representative: _____ Station Manager: T. Davis Cementer: A. Duen

LD Drilling
DST 1 Lan/KC J 4110-4145
Start Test Date: 2015/10/07
Final Test Date: 2015/10/08

Keasling-Porsch
Formation: Lan/KC J
Job Number: W212

Keasling-Porsch DST 1





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	LD Drilling	Kim Shoemaker	Job Number	W212
Contact		Keasling-Porsch	Representative	Wilbur Steinbeck
Well Name		DST 1 Lan/KC J 4110-4145	Well Operator	LD 1
Unique Well ID		32-6s-29w Sheridan/Kans	Report Date	2015/10/07
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional		
Formation	Lan/KC J		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/10/07	Start Test Time	21:25:00
Final Test Date	2015/10/08	Final Test Time	01:00:00

Test Recovery

Recovery Miss Run hit a Bridge



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Keasling-Porsch DST 1

TIME ON: 21:25
TIME OFF: 01:00

Company LD Drilling Lease & Well No. Keasling-Porsch
Contractor LD Charge to LD
Elevation 2839 KB Formation _____ Lan/KC J Effective Pay _____ Ft. Ticket No. W212
Date 10-7-15 Sec. 32 Twp. _____ 6 S Range _____ 29 W County Sheridan State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Wilbur Steinbeck

Formation Test No. 1 Interval Tested from 4110 ft. to 4145 ft. Total Depth 4145 ft.
Packer Depth 4105 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4110 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3996 ft. Recorder Number 5965 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4111 ft. Recorder Number 5587 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 53 Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 900 P.P.M. Drill Pipe Length 4077 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 7 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 35 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Miss Run Hit a Bridge
2nd Open: _____

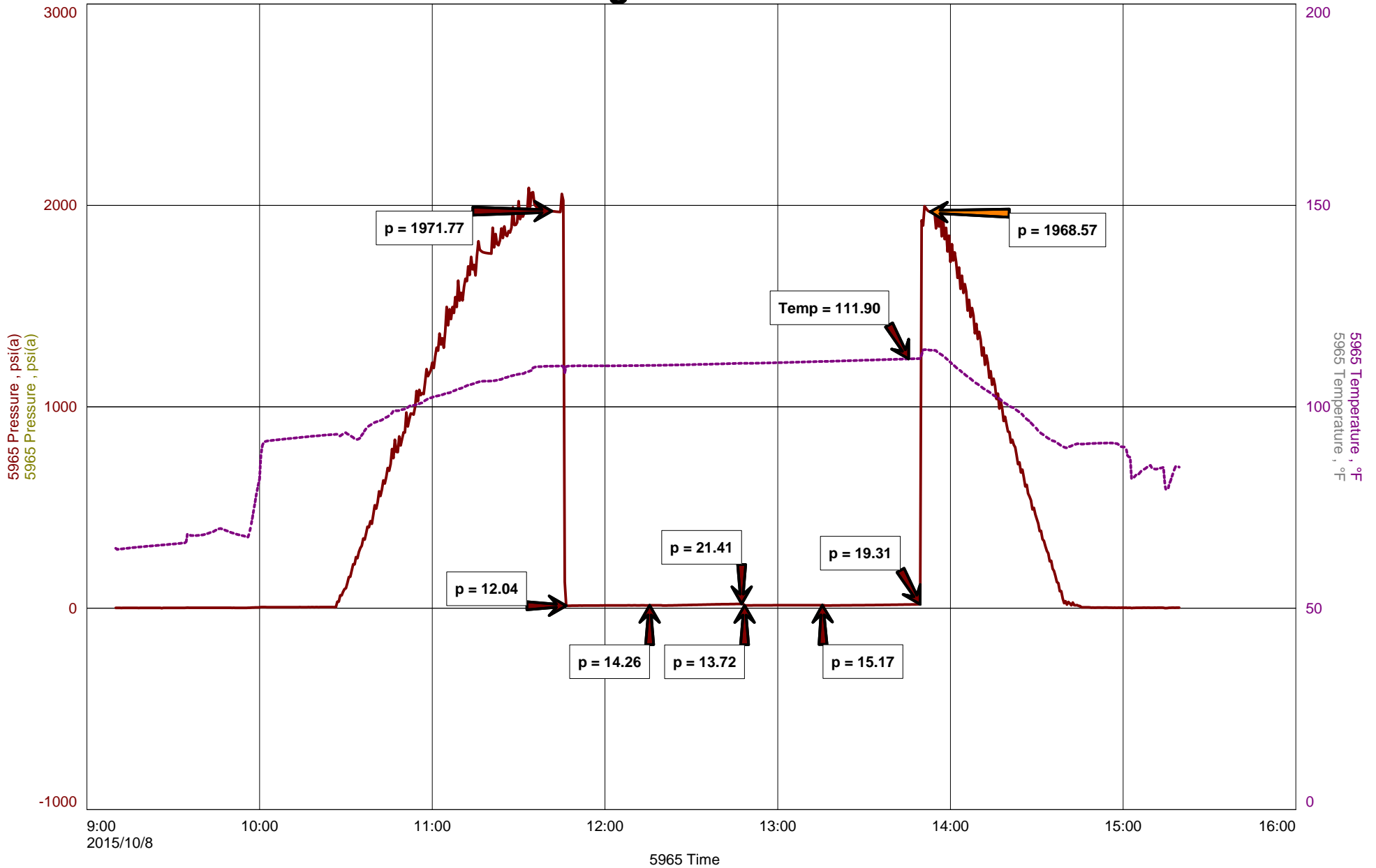
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	55 Miles RT	Price Job
Recovered _____ ft. of _____		Other Charges
Remarks: <u>Miss Run hit a bridge</u>		Insurance
		Total

Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes (D) _____ P.S.I.
Final Flow Period..... Minutes (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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.

Keasling-Porsch DST 2





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	LD Drilling	Kim Shoemaker	Job Number	W213
Contact		Keasling-Porsch	Representative	Wilbur Steinbeck
Well Name		DST 2 Lan/KC J 4110-4145	Well Operator	LD 1
Unique Well ID		32-6s-29w Sheridan/Kans	Report Date	2015/10/08
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional		
Formation	Lan/KC J		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/10/08	Start Test Time	09:10:00
Final Test Date	2015/10/08	Final Test Time	15:20:00

Test Recovery

Recovery	3' Mud
	3' Total Fluid

Tool Sample Mud



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Keasling-Porsch DST 2

TIME ON: 9:10
TIME OFF: 15:20

Company LD Drilling Lease & Well No. Keasling-Porsch
Contractor LD Charge to LD
Elevation 2839 KB Formation _____ Lan/KC J Effective Pay _____ Ft. Ticket No. W212
Date 10-8-15 Sec. 32 Twp. _____ 6 S Range _____ 29 W County Sheridan State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Wilbur Steinbeck

Formation Test No. 2 Interval Tested from 4110 ft. to 4145 ft. Total Depth 4145 ft.
Packer Depth 4105 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4110 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3996 ft. Recorder Number 5965 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4111 ft. Recorder Number 5587 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 59 Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 6.0 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 900 P.P.M. Drill Pipe Length 4077 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 7 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 35 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surge blow then died No Return
2nd Open: No Blow No Return

Recovered 3 ft. of Mud
Recovered 3 ft. of Total Fluid
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	55 Miles RT	Price Job
Recovered _____ ft. of _____		Other Charges
Remarks: <u>Tool Sample=Mud</u>		Insurance
		Total

Time Set Packer(s) 11:45 A.M. P.M. Time Started Off Bottom 13:45 A.M. P.M. Maximum Temperature 112
Initial Hydrostatic Pressure..... (A) 1971 P.S.I.
Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 14 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 21 P.S.I.
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 15 P.S.I.
Final Closed In Period..... Minutes 30 (G) 19 P.S.I.
Final Hydrostatic Pressure..... (H) 1969 P.S.I.

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KIM B. SHOEMAKER
CONSULTING GEOLOGIST
316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.
LEASE # 1 KEASLING-PORSCH UNIT
FIELD WILDCAT
LOCATION 185' ESL 1/4 1795' FEL
SEC 32 TWP 6S RGE 29W
COUNTY SHERIDAN STATE KANSAS
CONTRACTOR L. D. DRILLING, INC.
SPUD 10-2-15 COMP 10-10-15
RTD 4578 LTD 4578
MUD UP 3468 TYPE MUD CHEMICAL

ELEVATIONS
KB 2839
DF 2834
GL 2834
Measurements Are All
From 2839 KB
CASING
SURFACE 8 5/8" @ 357'
PRODUCTION
ELECTRICAL SURVEYS
DUAL IND., N-DENS.

SAMPLES SAVED FROM 3500 TO 4578
DRILLING TIME KEPT FROM 3500 TO 4578
SAMPLES EXAMINED FROM 3500 TO 4578
GEOLOGICAL SUPERVISION FROM 3600 TO 4578
GEOLOGIST ON WELL KIM B. SHOEMAKER

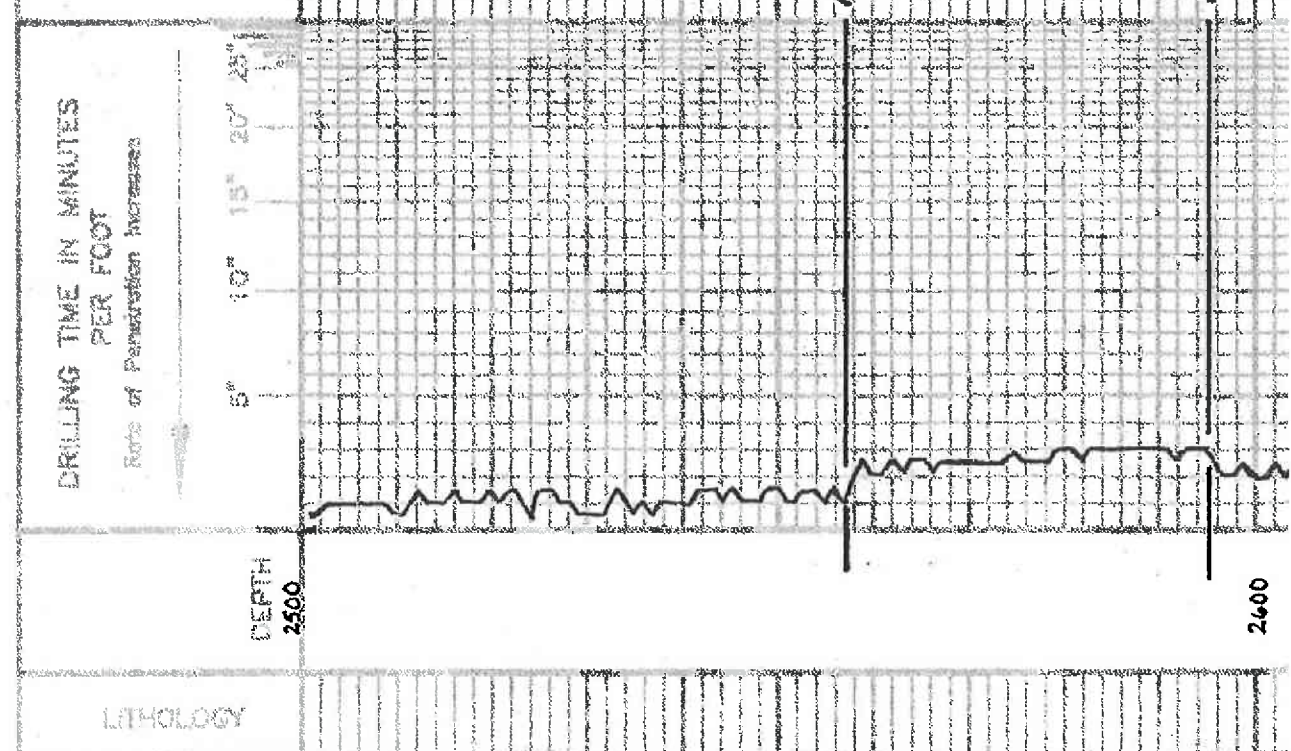
FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	2558+281	2557+282
B/ANH.	2596+243	2595+244
STOTLER	3616-777	3616-777
HEEBNER	3934-1095	3934-1095
LANSING	3980-1141	3975-1136
MUNCIE CREEK	4086-1247	4085-1246
B/KC	4194-1355	4185-1346
FORT SCOTT	4390-1551	4384-1545
CHELDKEE	4405-1566	4404-1565
MISSISSIPPI	4500-1661	4500-1661



REMARKS
API: 15-179-21411
10-2-15 SPUD
10-3 @ 360'
10-4 @ 1867'
10-5 @ 2360'
10-6 @ 3531'
10-7 @ 4015'
10-8 @ 4145'
10-9 @ 4323'
10-10 @ 4578'

LEGEND

- Anhydrite
- Soft
- Sandstone
- Shale
- Carb sh
- Limestone
- Chert Lims
- Chert
- Dolomite



REMARKS

SAMPLE DESCRIPTIONS

LITHOLOGY

4000

2650

3500

3600

3700

Samples are tagged

Sh. silty clay

ls. to foss.

ls. silty clay

Sh. silty clay - silty

ls. clay

Sh. silty clay - silty

STOFLER 3616-777

ls. silty clay

ls. silty clay - silty - foss.

ls. silty clay

ls. silty clay - silty - foss.

ls. silty clay - silty - foss.

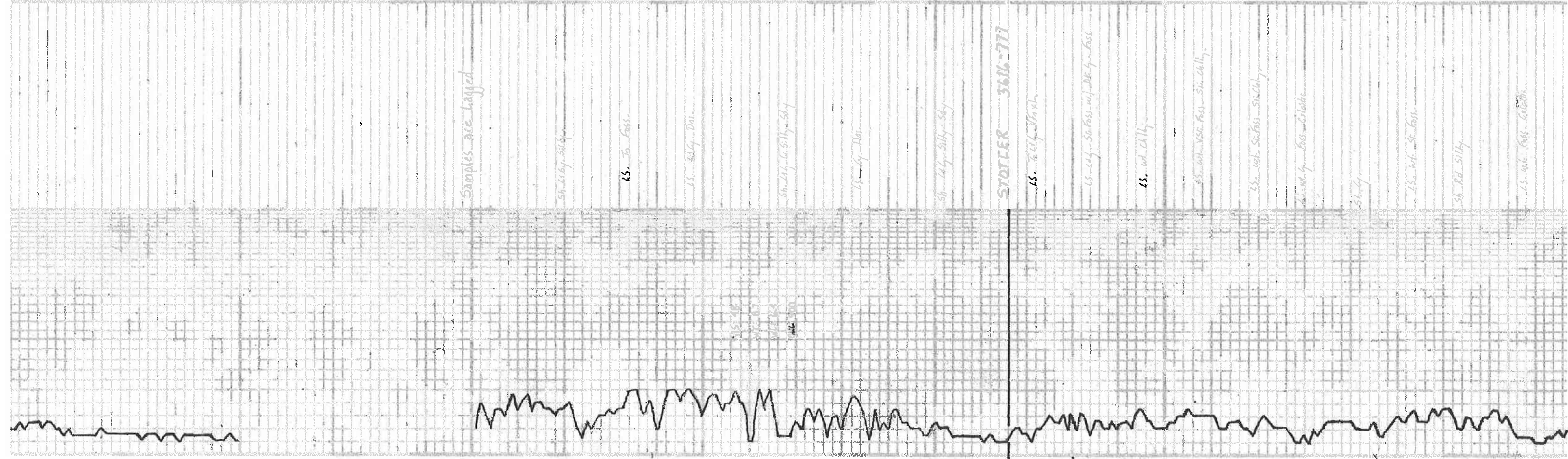
ls. silty clay - silty - foss.

Sh. silty clay

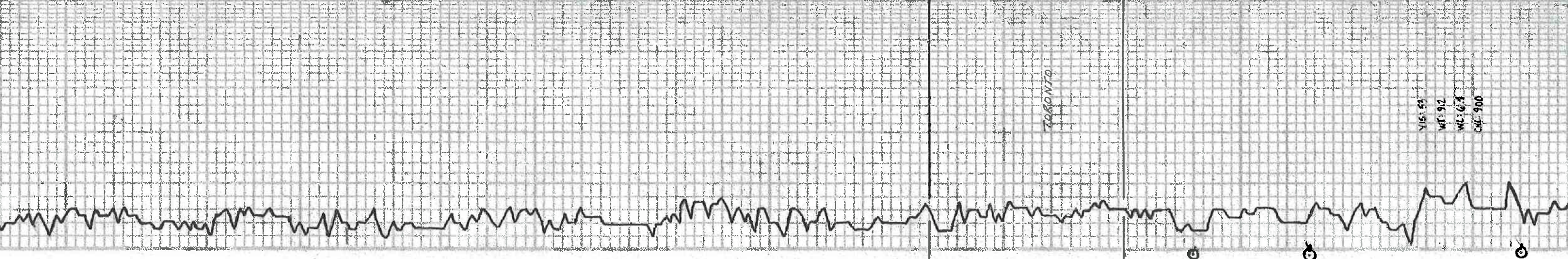
ls. silty clay - silty - foss.

Sh. silty clay

ls. silty clay - silty - foss.

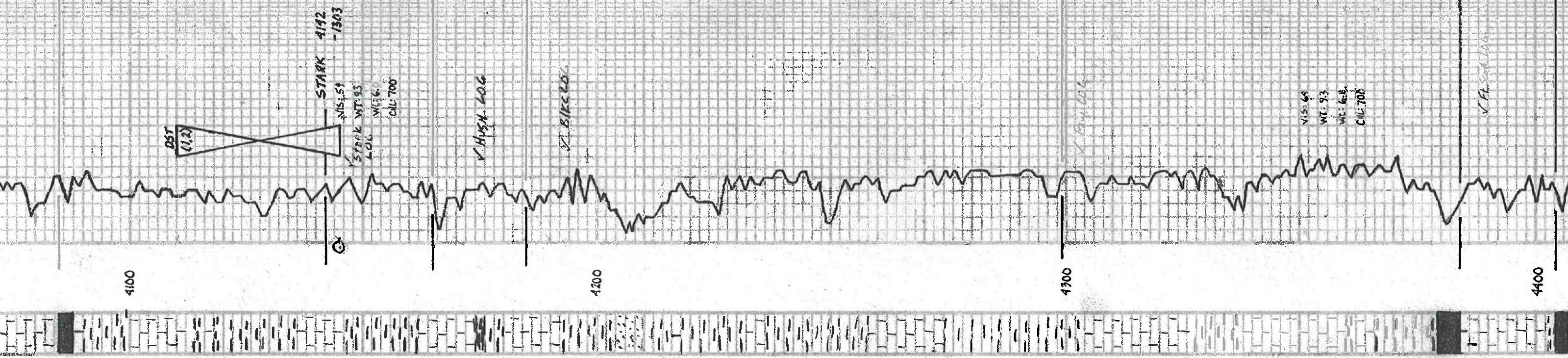


Sh. Rd.
 65. wt. Sil. Foss. Sil. Chlly.
 65. Tr. g. Sil. Foss. w/ Tr. Glauc.
 65. Tr. Sil. Foss. Sil. A.
 Sh. Rd.
 65. wt. dol. Foss.
 65. wt. dol. Calcitic
 65. wt. Sil. Foss. Sil. Chlly.
 Sh. Rd. g.
 Sh. L. G.
 65. g. Sil. Foss. Sil. Calcitic
 Sh. Rd.
 65. g. Du.
 65. wt. Calc. Foss. Sil. Calcitic
 65. wt. Chlly.
 65. Tr. dol. Sil. A.
 65. Calc. w/ Sil. Chlly.
HEEBNER 3934-1095
 Sh. Rd. Calc.
 Sh. Rd. Bluech.
 Sh. Rd.
 65. wt. Sil. Foss. Sil. A.
LANSING 3975-1136
 65. Tr. Volcan. Sil. Foss. Sil. A.
 65. wt. Foss. dol. Sil. Calcitic
 Sh. Rd.
 65. wt. Sil. Foss. dol. Sil. Chlly.
 Z. Oryz.
 65. wt. Sil. Foss. Sil. Chlly.
 65. wt. dol. Chlly.
 65. Tr. Sil. Foss.
 Sh. Rd. Calc.
 65. Tr. Sil. Foss. Sil. A.
 65. wt.
 65. wt. dol. Chlly.



2800
 3900
 4000
 TORONTO
 900
 VLS 92
 WLS 67
 CIP 900

4085-1216 MUNCIE CREEK Ls. w. sil. sh. Sl. Blk. Clay	4185-1316 B/KC Sh. Blk. Clay	4165-1326 HUSHPUCKNEY Ls. w. sil. sh. Sh. Blk. Clay	4299-1460 PAUNEE Ls. w. sil. sh. & sil. sh.	4384-1545 FORT SCOTT Ls. w. sil. sh. & sil. sh.	4401-1565 CHEROKEE Ls. w. sil. sh. & sil. sh.
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DST (12)

STARK 4192
-1303

MUSH. LOG

B/KC 4185-1316

VIS: 64
WT: 93
MC: 6.8
CIL: 700

DST (1) 4110-4115 MIS. RUN, BRIDGE
DST (2) 4110-4115
15000ft. Weak Sump, died
700psi No. Blow
30-30-36-30
Rec. 3' Mud
FP: 12-14 445#
SIP: 2-19#
Temp. 112.9f

Sh. Blk. Crcl.
 LS. M. V. N. S. P. 51.5 ft
 LS. B. V. S. F. S. 51.5 ft
 sd. cl. w. of V. P. in S. W. R. wall south of 6.000.
 Sh. Bl. M.
 sd. ch. M. End. S. W. R. wall south of
 sd. ch. V. M. M. C. S. S. R. P. S. W. R.
 51.5 ft
 51.5 ft
 A. V. P. S. S. S. W. R.
 MISSISSIPPI 4500-1661
 A. w. of F. of V. M. S. P.
 A. of F. S. S.
 A. of F. S. S.
 LS. W. R. S. S. W. R. S. W. R.
 LS. W. R. S. S. W. R. S. W. R.
 D. of T. S. S. W. R. S. W. R.
 D. of W. L. S. W. R. S. W. R.

