



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: \_\_\_\_\_



1102874

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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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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>	<b>PRODUCTION INTERVAL:</b> _____ _____
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**#2 Sanko**  
 1620' FNL & 2310' FWL  
 30' N NE SE NW Section 17-28S-23W  
 Ford Co., Kansas  
 API# 15-057-20830-00-00  
 Elevation: 2508' GL, 2519' KB

Sample Tops			Ref. Well
Anhydrite	1519'	+1000	-24
B/Anhydrite	1567'	+952	-17
Stotler	3618'	-1099	-7
Heebner	4278'	-1759	-7
Toronto	4293'	-1774	-6
Douglas	4341'	-1822	-6
Brown Lime	4407'	-1888	-6
Lansing	4414'	-1895	-5
Muncie Shale	4602'	-2083	-5
Hush. Shale	4773'	-2254	-6
BKC	4814'	-2295	-4
Pleasanton	4820'	-2301	-2
Altamont	4888'	-2369	+1
Pawnee	4946'	-2427	+2
Cherokee Shale	4990'	-2171	+5
Huck	5083'	-2564	+4
Atoka Shale	5097'	-2578	+2
Mississippian	5118'	-2599	+2
RTD	5270'	-2751	





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

1700 S. Country Estates Rd.  
P.O. Box 129  
Liberal, Kansas 67905  
Phone 620-624-2277

FIELD SERVICE TICKET  
1717 03625 A

DATE OF JOB: 8-20-12		DISTRICT: Liberal #1717		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: Ritchie Exploration		LEASE: Sanko		WELL NO.: 2					
ADDRESS:		COUNTY: Ford		STATE: KS					
CITY:		STATE:		SERVICE CREW: Kirby, Eddie, Julian, Santiago					
AUTHORIZED BY: Tye Davis JRB		JOB TYPE: Port Collar 2-42							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
		- 14254	8	21755	8	8-20-12		PM	0900
				10276	8	ARRIVED AT JOB		PM	1800
				- 19919	8	START OPERATION		PM	1630
				- 27808	8	FINISH OPERATION		PM	1730
				37547	8	RELEASED		PM	1800
				24355	8	MILES FROM STATION TO WELL			

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: Guy R...  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL103	60/40 Por	SK	275		3300 00
CC200	Cement Grl	lb	948		237 00
CC102	Celloflake	lb	69		255 30
C2410	Cotton Seed Hulls	lb	150		52 50
E101	Heavy Equipment Mileage	MI	255		1785 00
CE240	Blending & Mixing Service Charges	SK	475		665 00
E113	Bulk Delivery Charges	TM	1738		2780 80
CE202	Depth Charge - 1001' - 2000'	EA	1		1500 00
E100	Unit Mileage Charge - Pickup	MI	85		361 25
SC03	Service Supervisor	EA	1		175 00

SUB TOTAL 7778 30

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Guy R...</u>
FIELD SERVICE ORDER NO.:	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



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

1700 S. Country Estates Rd.  
P.O. Box 129  
Liberal, Kansas 67905  
Phone 620-624-2277

FIELD SERVICE TICKET  
1717 03912 A

DATE OF JOB: 7-14-12		DISTRICT: 1717		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: Kitchie Exploration				LEASE: Sanko '2				WELL NO.:							
ADDRESS:				COUNTY: Ford				STATE: KS							
CITY:				STATE:				SERVICE CREW: [Unreadable]							
AUTHORIZED BY: [Unreadable] JRB				JOB TYPE: 2 1/2" - 3 1/2" Prod				DATE: 8-14-12							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME						
19902						ARRIVED AT JOB	8-14-12	PM	7:00pm						
27462						START OPERATION		AM	11:00						
14354						FINISH OPERATION		AM	8:30						
119857						RELEASED		AM	9:30						
						MILES FROM STATION TO WELL		AM	11:00						
									8K 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: [Signature]  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CE103	600/40 Pbz	50	50		600.00
CE105	AW2	175	175		3185.00
CE113	Gypsum	115	115		618.75
CE111	Sulf	1	1		1486.00
CE103	C-15	1	1		1237.50
CE107	C-42P	1	1		336.00
CE101	Gilbrage	1	1		586.25
CE1251	70" Auto Fill Flood Valve	ca	1		360.00
CE1607	Labels down plug 1 bottle		1		400.00
CE1452	Turbolizer		1		525.00
CE151	SA Collar		1		3500.00
CE1552	Basket		3		2865.00
CE151	Mud flush	gal	200		430.00
CE101	Down mileage	mi	170		1190.00
CE040	Blowby - 40% - 255	25	255		315.00
CE113	Dispersant - Sulf Delivery	bu	184		1414.00
CE106	Pump Depth - 001 6000'	bu	1		2880.00
CE104	Pipe Condenser	bu	1		250.00
CE100	Water Mixture	bu	1		361.25
SUB TOTAL					14497.25

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: [Signature]  
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 28, 2012

John Niernberger  
Ritchie Exploration, Inc.  
8100 E 22ND ST N # 700  
BOX 783188  
WICHITA, KS 67278-3188

Re: ACO1  
API 15-057-20830-00-00  
Sanko 2  
NW/4 Sec.17-28S-23W  
Ford County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
John Niernberger

Max R. Lovely

# GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Ritchie Exploration, Inc.**

LEASE **Sanko #2**

FIELD **Sanko**

LOCATION **NESE NW**

SEC **17** TWP **28** RGE **23W**

COUNTY **Ford** STATE **KS**

CONTRACTOR **Duke #10**

SPUD **7-31-2012** COMP **8-13-2012**

RTD **5270** LTD **5273**

MUD UP **3774** TYPE MUD **Chem**

ELEVATIONS  
KB **2519**

DF  
CL **2508**

Measurements Are All  
From **KB**

CASING  
SURFACE **8 5/8" @ 358'**  
PRODUCT ION **5 1/2"**

ELECTRICAL SURVEYS  
Comp **N/D**  
DI

## FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
				A B C
Anhydrite	1519	1518	1001	1024
Base Anhydrite	1567	1552	967	969
Stoller	3618	3617	-1096	-1092
Heeber	4278	4278	-1759	-1752
Lansing	4414	4416	-1897	-1890
Muncie SH	4602	4602	-2083	-2081
Stark	4728	4726	-2207	-2203
Allamont	4888	4896	-2371	-2366
Pawnee	4946	4946	-2427	-2429
Cherokee SH	4990	4994	-2475	-2474
Atoka SH	5097	5098	-2579	-2588
Norror				
Mississippi	5118	5123	-2604	-2600

REFERENCE WELLS FOR STRUCTURE

A **Ritchie Sanko #1 S12 NW NW 17-28-23W**

B

C

### REMARKS

### LEGEND

Anhydrite	Salt	Sandstone	Shale	Carbon	Limestone	Dol. Lime	Chert	Dolomite

DRILLING TIME IN MINUTES PER FOOT  
Rate of Penetration Decreases

5" 10" 15" 20" 25"

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

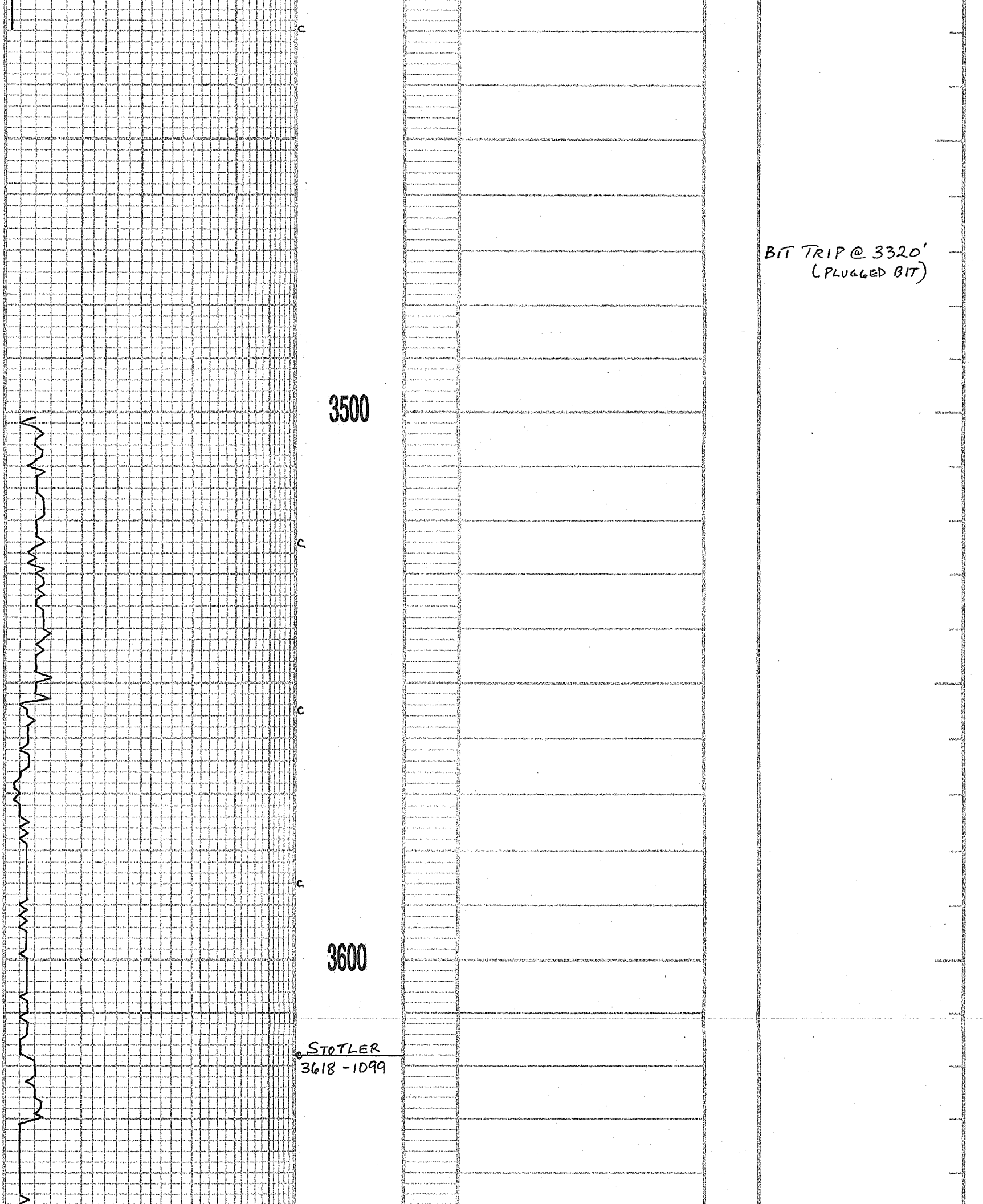


1500

ANHYDRITE  
1519 +1000

BASE  
ANHYDRITE  
1567 +952

1600

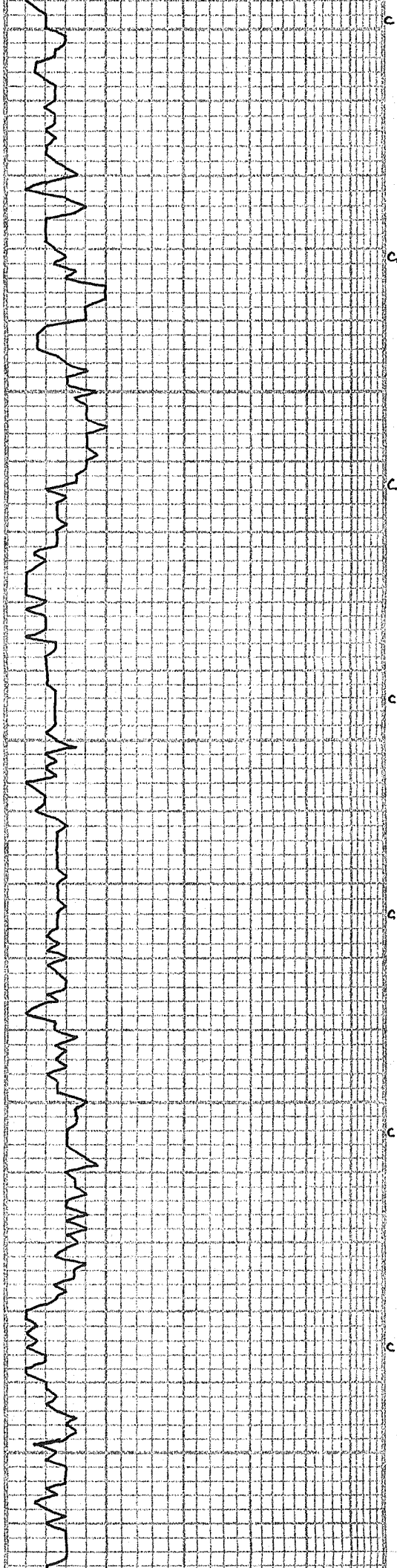


3500

3600

STOTLER  
3618-1099

BIT TRIP @ 3320'  
(PLUGGED BIT)



3700

DEV 1/2°

3800

MUD CHECK  
VIS 118 WT 8.65  
CHLOR 1,900 LCM 4  
FILT 7.2

3900

c

f

r

c

4000

c

c

LS, CRM, BUFF, F→M XTLN, M HRD,  
G RNL R TXT, P XTLN Ø, NS

LS, TAN, M→LG XTLN, LG XTLN 4N,  
V GRNL R TXT, M HRD, BR TL,  
P Ø, NS

o o o CHLK, WHT / BRN  
o o o  
o o o  
o o o  
o o o  
A A  
A A  
A A

CHT, GRY, GRY/WHT, FOSS,  
FRESH

LS, CRM, BUFF, BRN, F→M XTLN,  
CRUMBLY, SOFT, CHLKY, V GRN,  
G Ø, NS

A.A.

GEOLOGICAL ON LOC

GEOLOGICAL ON LOC  
12:30 PM 8-5-12  
WAIT FOR GAS UNIT  
TO GET HOOKED UP  
UNTIL 6:PM

4100

LS, CRM, WHT, F → M XTLN, SOFT,  
CHLKY, GØ, NS

LS, LT GRY, F → M XTLN, HRD,  
DNS, V FOSS, TITE, NS

A.A.

LS, WHT / CRM, VF XTLN, V HRD,  
V DNS, V FOSS, TITE, NS

A.A.

Δ Δ CHT, LT GRY

Δ Δ  
Δ Δ  
Δ Δ  
Δ Δ  
Δ Δ

4200

SH, GRY

LS, WHT, VF XTLN, DNS, SL CHLKY,  
HRD, TITE, NS

SH, BLK

LS, BUFF, GRY / TAN, FXTLN,  
W / MIXED M XTLN, NO V.S Ø  
NS

LS, TAN, VF XTLN, V OOL + FOSS,  
FOSS FRAGS, V W CMT & TITE NS

LS, LT GRN / GRY, VF XTLN, HRD,  
DNS, SL GRN / TXT, NO APP Ø  
NS

HEEBNER  
4278 - 1759

SH, BLK

LS, WHT, VF XTLN, V HRD, BLK  
MINS W / N, TITE, NS

TORONTO  
4293 - 1774

SH, GRY

LS, TAN / GRY, VF XTLN, DNS,  
CRYPTO XTLN, TITE, NS

4300

0 1 0  
0 1 0  
0 1 0  
0 1 0  
0 1 0  
CHALK

LS, WHT, F → MXTLN, GXTLN φ NS

C  
DOUGLAS  
4341 - 1822

SH, GRY, GRN

LS, WHT, VFXTLN, DNS, HRD,  
BRTL, V OOLY FOSS, W CNT'D  
FOSS, NO APP φ, NS

SH, GRY, BURG/BRN

SH, GRY, CARB PCS

7:AM 8-6-12  
DRLG @ 4386'

4400

MUD CHECK

C  
BROWN LIME  
4407 - 1898  
LANSING

LS, TAN, FXTLN, HRD, V FEW FOSS,  
? φ, NS

VIS 57 WT 9.0  
CHLOR 6,700 WCM 2 1/2  
FILY 10

4414 - 1895

LS, WHT, CRM, FXTLN, SL FOSS,  
HRD, DNS, TITE, NS

LS, WHT, F → MXTLN, CRUMBLY,  
G INT XTLN φ, NS

SH, GRY

C  
4458 - 1939

LS, BUFF, BRN, MAFIC MINS w/n,  
HRD, SL BRTL, NO VIS φ, NS

LS, GRY, WHT, VFXTLN, DNS, HRD,  
TITE, NS

SH, GRY

4500

LS, TAN, VFXTLN, CRYPTO, SCT  
FOSS, HRD, DNS, NS

LS, TAN, BUFF, FXTLN, V FOSS,  
ABUN CORAL, G FOSS φ, NS



LS, SANDY GRNS, WHT, V SOFT, V G Ø, FRIABLE, NS

LS, LT TAN, CRYPTO, V HRD, DNS, TITE, NS

LS, TAN, WHT, BUFF, VFXTLN, DNS, V HRD, TITE, NS

LS, WHT, CRM, BUFF, FXTLN, HRD, PCS SCT CHLK, NS

MUNCIE  
4600  
4602 - 2083

SH, GRY, DK GRY

LS, BRN, VFXTLN, DNS, V HRD, TITE, NS

LS, BRN, WHT, FXTLN, HRD, NO VIS Ø NS

SH, GRY/GRN

LS, BRN, WHT, FXTLN, HRD, NO VIS Ø NS

LS, WHT, FXTLN, PCS CHLKY, V ΔTY, NO VIS Ø, NS

LS. A.A.

LS, TAN/GRY, VFXTLN, DNS, HRD, TITE, NS

4700

LS, CRM, BUFF, FXTLN, V FOSS, VARISIZE FOSS, SCT PITTED → VUG Ø, NS

LS, TAN, BUFF, VFXTLN, FOSS LAYER ON EDGES, G FOSS Ø, MOSTLY TITE, NS

STARK  
4728 - 2209

SH, DK GRY, BLK

LS, GRY, VFXTLN, DNS, HRD, TITE, NS

LS, TAN, WHT, VFXTLN, SL FOSS,  
TITE, NS

HUSHPUCKNEY  
4773-2254

SH, BLK

Δ Δ CHT, V FOSS, SL OOL, TITE,  
FRESH, NS

7:AM 8-7-12  
DRLG @ 4784'  
MUD CHECK  
VIS 79 WT 9.2  
CHLOR 7,800 WCM 2  
FILT 13.2

4800

LS, CRM, FXTLN, HRD, TITE

LS, BUFF, FXTLN, S → M HRD,  
CRUMBLY, BRTL, P OF INT  
XTLN φ, NS

BKC-

SH, GRV, GRN

LS, BUFF, TAN, CRM, S → M HRD,  
V FOSS, SL ALGAL, FCMT'D  
FOSS, VP FOSS φ, NS

LS, WHT, BUFF, M HRD, F → M  
XTLN, FOSS, FCMT'D FOSS,  
P FOSS φ, NS

SH, DK GRV

MARMATON  
4872-2353

LS, WHT, MXTLN, BRTL, SL HRD,  
V FOSS, FOSS CASTS, F φ, NS

ALTAMONT  
4888-2369

SH, GRV, GRN, SL SLTY

LS, TAN, VFXTLN, CRYPTO, V DNS,  
V HRD, TITE, NS

4900

SH, GRV

LS, BUFF, VFXTLN, HRD, BRHT VLLW  
FLUOR, FLUOR SAT STNG, TITE NO ODOR

LS, SAT FLUOR STNG, FIBROUS  
RESIDUE, FEW FO DROPS ON BRK NO ODOR

CONN

PAWNEE  
4946-2427

SH, GRV, BLK

LS, BUFF, CRM, VFXTLN, V DNS,  
SPTY FLUOR STNG, TITE, NO FO  
ON BRK NO ODOR

LS, BUFF, VFXTLN, DNS, HRD,  
NO APP, NS

A.A.

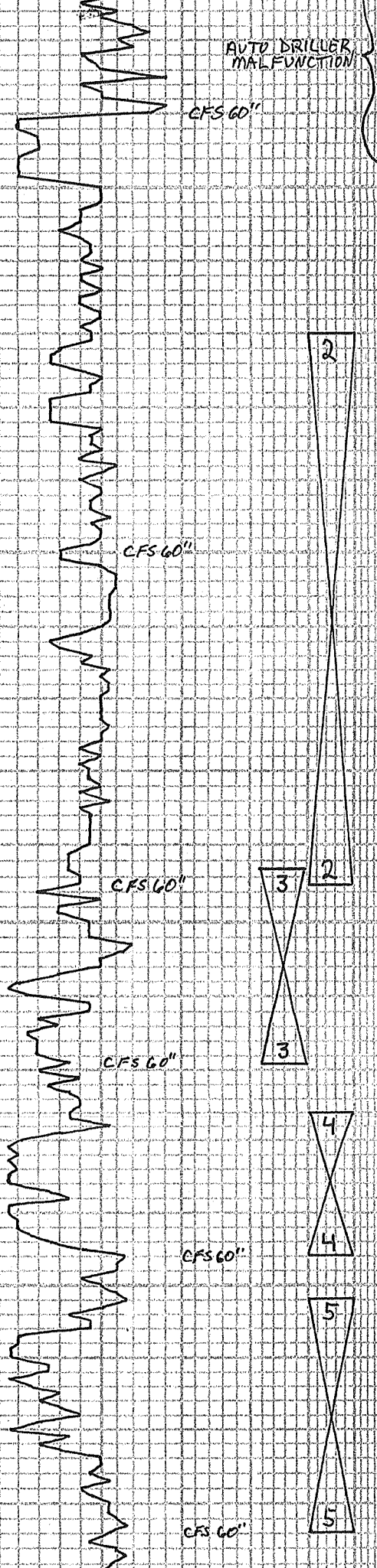
7:AM 8-8-12  
DST #1 4962-TD  
MUD CHECK

CFS 60'

GEOGRAPH  
HUNG UP







AUTO DRILLER  
MALFUNCTION

Ft Scott  
4975-2456

CHEROKEE  
4990-2471

5000

HUCK  
5083-2564

ATOKA  
5100  
5097-2578

MISS  
5118-2599

LS, CRM, TAN, VFXTLN, M HRD,  
Pcs CHLKY, NO VIS Ø, NS

LS, GRN, FXTLN, HRD, V FEW  
FOSS, TITE, NS

SH, GRN, GRN

LS, TAN, FXTLN, M HRD, LG  
UNCONSOL FOSS, PYR, NO  
APP Ø, NS

LS, CRM, VFXTLN, V HRD, DNS,  
TITE, NS

SH, BLK

LS, BUFF, FXTLN, V OOL, SML OOLS  
SPTY MICRO FLUOR FD ON BRK,  
DULL FLUOR STNG, F INT OOL Ø,  
GAS BBL, LT BRN STNG, NO VIS ENERGY

SH, GRN, GRN, SLTY IN Pcs

SH, BLK, FISSLE

LS, CRM, SL OOL / FOSS, HRD,  
WCMT'D FOSS, NO APP Ø, NS  
SCT WHT, BRN CHT

LS, TAN, VFXTLN, DNS, HRD, TITE  
NS

LS, TAN, VFXTLN, DNS, V HRD, RE  
XTL'D FRACS, SL FRAC Ø, NS

LS, AA, FLUOR EDGE & SCT SURE  
STNG, Pcs FLUOR Ø DROPS ON BRK,  
VV FNT ODOR

SH, GRN, GRN

LS, CRM, TAN, FXTLN, HRD, VSL FRAC'D,  
FLUOR STNG IN FRACS, NO ODOR, NS

SS, CLR GRNS, PCMT'D, F GRNS, BAN DD  
OIL STNG, NO ODOR, NO FO

SS, LG MULTI COLOR GRNS, UNCONSOL, NS  
SS, S M GRNS, CLR, SMOKE, GRN SPK'D,  
GASSY

CHT, WHT, WEATH, G BRN O STNG, G SHO  
GAS + LT BRN FO, NAT FO, SL FRAC'D,  
NO ODOR, Pcs SHARP + FRESH

CHT, WHT, FRESH, SHARP, NS

DOLO, TAN, GRNLR, SOFT, G GASSING,  
VILT FO, FO IN TRAY + CUP, VG SAT  
FLUOR STNG, DULL FLUOR FO, G  
PERM

CHT, WHT, WEATH, HVY STNG IN  
WEATH Ø, NO FO, NO ODOR

LS, DOLO, TAN, FXTLN, SCT VUG Ø,  
SCT FO IN TRAY, LT ODOR, VG O + G W/  
HVY ODOR ON BRK, LT BRN + FLUOR FO  
FO SPTS, SOFT, FIZZY GAS

LS, AA, NO SHOW

LS, BUFF, FXTLN, M HRD, OOC, P Ø, NS

LS, CRM, VFXTLN, DNS, S M HRD,  
CHLKY, FLUOR DD Ø + SCT FO,  
FNT ODOR

LS, CRM, FXTLN, LG XTLG W/N, PCMT'D  
LG XTLG, M HRD, P Ø, NS

VIS 46 WT 9.4  
CHLOR 8,400 LCM 2  
FILT 15.2

DST #1 19 STND SHTRIP

STRAP  
BOARD

DST #1 4924-4962  
30.45.45.60

IF: 6" ISI: NR  
FF: BOB 40" FSI: NR

REC: 60' SOWCM 1/0, 20% W  
75' WCM 40% W  
75' WCM 50% W

FP: 95-133, 137-180  
SIP: 1093-1058  
HP: 2535-2393

7:AM 8-9-12  
DRLG @ 5055'

MUD CHECK  
VIS 56 WT 9.4  
CHLOR 9,800 LCM 1  
FILT 11.6

7:AM 8-10-12  
GIH W/BIT 5095' TD

MUD CHECK  
VIS 140 WT 9.35  
CHLOR 16,800 LCM 2  
FILT 16.8

7:AM 8-11-12  
GIH W/BIT @ 5119' TD

MUD CHECK  
VIS 95 WT 9.15  
CHLOR 13,600 LCM 2  
FILT 20.8

DST #2 5020-5095  
30.45.45.60

IF: 7" ISI: NR  
FF: BOB WST FSI: NR  
REC: 30' M  
FP: 70-67, 67-71  
SIP: 707-1100  
HP: 2587-2338

8-12-12 7:AM  
CFS @ 5184'  
MUD CHECK

V LT  
ODOR  
M BRN  
OIL

FLUOR  
FNT ODOR

38U HW  
25U C1  
5U C2  
3U C3?

GAS  
FO

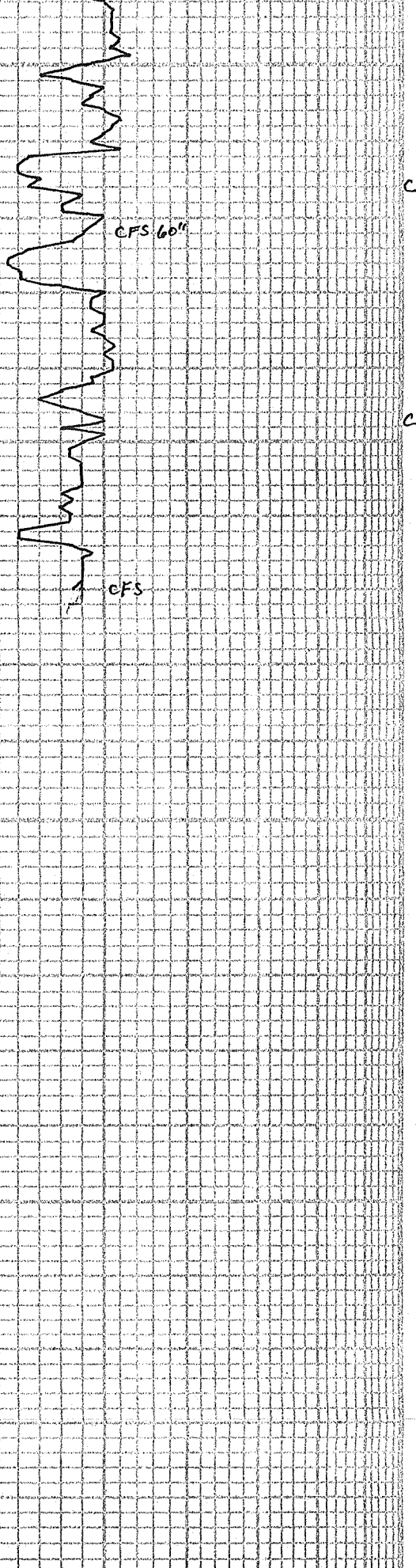
GASSING  
LT FO

HVY STNG

ODOR  
GASSY  
FO

FNT ODOR

5200



DEV 3/4°

DOLO, TAN, SUCR, HRD, TITE, NS

 CHT, WHT, TAN, CRM, WHT Pcs  
 W/FOSS, FRESH, NS

 LS. CRM, F XTLN, ABUN CRS FOSS  
 FRAGS, SOFT, CRUMBLY, F→G  
 FOSS Ø, NS

 DOLO, TAN, SUCR, VF GRNS, SOFT,  
 FRIABLE, VG Ø, NS

 LS, WHT, VF XTLN, DNS, HRD,  
 V FOSS, TITE, NS

 LS. WHT, VF XTLN, DNS, HRD,  
 V FOSS, TITE, SCT CHT, NS

 CHT, WHT, TAN, GRAY W/A FRAGS,  
 NO Ø, NS

CHLK

 CHT, WHT, TAN W/FINE FOSS + FRAGS  
 W/N, TITE, NS

 VIS 56 WT 9.0  
 CHLOR 14,800 LCMH  
 FILT 15.2

 DST#3 5093-5119  
 30.45-30.60  
 IF: BOB -1 MIN ISI: NR  
 FF: BOB INST FSI: NR  
 GTS 10 MIN, ga. 120 MCF  
 REC: 80' M  
 FP: 76-201, 76-93  
 SIP: 1566-1534  
 HP: 2610-2439  
 GTS, GA. 120 MCF

 7:AM 8-13-12  
 DRLG @ 5254'

 MUD CHECK  
 VIS 53 WT 9.0  
 CHLOR 14,400 LCM2  
 FILT 16.8  
 TD @ 5270'  
 SHORT TRIP 5 STNDS

 DST#4 5126-5146  
 30.45-45.60  
 IF: BOB 1/2 MIN ISI: NR  
 FF: BOB INST FSI: NR  
 REC: 70' M  
 GTS ga 241 MCF  
 FP: 72-98, 87-97  
 SIP: 1296-1210  
 HP: 2586-2464

 DST#5 5152-5184  
 30.45-45.60  
 IF: BOB 2 MIN ISI: 1/2" BB  
 FF: BOB 1 MIN FSI: 1" BB  
 REC: 4984' GIP  
 20' G+OCMW  
 5%G, 20%O, 35%W, 40%M  
 90' WCMO  
 1%W, 49%M, 50%O  
 90' GCW+MO  
 10%G, 25%W, 25%M  
 25%O  
 FP: 77-116, 105-121  
 SIP: 1237-1206  
 HP: 2606-2449

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
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Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

December 03, 2012

John Niernberger  
Ritchie Exploration, Inc.  
8100 E 22ND ST N # 700  
BOX 783188  
WICHITA, KS 67278-3188

Re: ACO-1  
API 15-057-20830-00-00  
Sanko 2  
NW/4 Sec.17-28S-23W  
Ford County, Kansas

Dear John Niernberger:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 07/31/2012 and the ACO-1 was received on November 29, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department