

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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](mailto: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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Lotus Operating Company, L.L.C.
Well Name	CANNON 1
Doc ID	1362218

All Electric Logs Run

Dual Induction
Neutron Density
Micro
Sonic
Frac





**BASIC RECEIVED**  
ENERGY SERVICES  
MAY 24 2017

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1002427	1718	05/21/2017
INVOICE NUMBER			
92428010			

Pratt (620) 672-1201  
 B LOTUS OPERATING CO. LLC  
 I 100 S MAIN ST STE 420  
 L WICHITA  
 L KS US 67202  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Cannon 1  
 O LOCATION  
 B COUNTY Cowley  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41025796	19843		Net - 30 days	06/20/2017

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 05/11/2017 to 05/11/2017</i>				
0041025796				
171815109A Cement-New Well Casing/Pi 05/11/2017 Cement 8 5/8 Surface				
Common Cement	200.00	EA	6.40	1,280.00 T
Calcium Chloride	564.00	EA	0.42	236.88 T
Celloflake	50.00	EA	1.48	74.00 T
"Wooden Cmt Plug, 8 5/8""	1.00	EA	64.00	64.00
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	1.80	180.00
Heavy Equipment Mileage	200.00	MI	3.00	600.00
"Proppant & Bulk Del. Chgs., per ton mil	940.00	EA	1.00	940.00
Blending & Mixing Service Charge	200.00	BAG	0.56	112.00
Plug Container Util. Chg.	1.00	EA	100.00	100.00
Depth Charge; 0-500'	1.00	EA	400.00	400.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	70.00	70.00

GL# 9208  
 DESC. Cement Surf csq  
 \_\_\_\_\_  
 \_\_\_\_\_  
 WELL # Cannon

ENTERED  
MAY 23 2017

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	4,056.88
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	107.38
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	4,164.26
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



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

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

TTHH (80)

FIELD SERVICE TICKET  
1718 15109 A

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

DATE OF JOB <b>5-12-17</b> DISTRICT <b>Pratt</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>Lotus Operating Company LLC</b>		LEASE <b>CANNON</b> WELL NO. <b>1</b>									
ADDRESS		COUNTY <b>Cowley</b> STATE <b>Ks</b>									
CITY STATE		SERVICE CREW <b>MATT Mcgraw SLYMER</b>									
AUTHORIZED BY		JOB TYPE: <b>2-42 8 3/8 SURFACE</b>									
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	<b>5-12-17</b>	DATE	<b>AM</b>	TIME	<b>6:00</b>
<b>1945 X</b>	<b>.5</b>					ARRIVED AT JOB	<b>5-12-17</b>		<b>AM</b>		<b>10:30</b>
<b>73768 X</b>	<b>.5</b>					START OPERATION			<b>AM</b>		<b>6:10</b>
						FINISH OPERATION			<b>AM</b>		<b>6:30</b>
						RELEASED			<b>AM</b>		<b>7:30</b>
						MILES FROM STATION TO WELL					<b>100</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: *Tim Orselt*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<del>CP 100</del>	<del>CANNON</del>	<del>SK</del>			
CP 100	Common	SK	200		3,200 00
CC 109	Calcium chloride	lb	564		592 20
CC 102	Cellulose	lb	50		185 00
CF 153	WOODM Plug 8 3/8	MA	1		160 00
E 100	P.u. mixer	ml	100		450 00
E 101	Heavy eq mixer	mi	200		4,500 00
E 113	PROP + bulk del	TM	940		2,350 00
CE 200	depth charge	4hr	1		1,000 00
CE 240	blend + mly	SK	200		280 00
S 003	supervisor	PH	1		175 00
CC 544	Plug container	TM	1		250 00

SUB TOTAL **10,142.20**

CHEMICAL / ACID DATA:			

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

TOTAL **4056.48**  
*JW*

SERVICE REPRESENTATIVE <u><i>Matt Mcgraw</i></u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u><i>Tim Orselt</i></u>
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(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



PAGE 1 of 1	CUST NO 1002427	YARD # 1718	INVOICE DATE 05/25/2017
INVOICE NUMBER <b>92433274</b>			

**RECEIVED**

MAY 29 2017

Pratt (620) 672-1201  
 B LOTUS OPERATING CO. LLC  
 I 100 S MAIN ST STE 420  
 L WICHITA  
 L KS US 67202  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Cannon 1  
 O LOCATION  
 B COUNTY Cowley  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41027459	86779		Net - 30 days	06/24/2017

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 05/17/2017 to 05/17/2017</i>				
0041027459				
171815111A Cement-New Well Casing/Pi 05/17/2017 Cement 5 1/2" Longstring				
AA2 Cement	365.00	EA	6.80	2,482.00 T
Celloflake	92.00	EA	1.48	136.16 T
Salt	1,943.00	EA	0.20	388.60 T
Gilsonite	1,827.00	EA	0.27	489.64 T
FLA-322	172.00	EA	3.00	516.00 T
C-41P	86.00	EA	1.60	137.60 T
Mud Flush	500.00	EA	0.60	300.00 T
"Auto Fill Float Shoe 5 1/2" (Blue)"	1.00	EA	144.00	144.00
"Latch Down Plug & Baffle, 5 1/2" (Blue)"	1.00	EA	160.00	160.00
"Turbolizer, 5 1/2" (Blue)"	4.00	EA	44.00	176.00
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	1.80	180.00
Heavy Equipment Mileage	200.00	MI	3.00	600.00
"Proppant & Bulk Del. Chgs., per ton mil	1,720.00	EA	1.00	1,720.00
Blending & Mixing Service Charge	365.00	BAG	0.56	204.40
Plug Container Util. Chg.	1.00	EA	100.00	100.00
Depth Charge; 3001-4000'	1.00	EA	864.00	864.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	70.00	70.00
GL# <u>9308</u>				
DESC. <u>Cement prod casing</u>				
WELL # <u>Cannon</u>				

ENTERED  
JUN 06 2017

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	8,668.40
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	300.38
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	8,968.78
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



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

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

FTMH

42

FIELD SERVICE TICKET  
1718 15111 A

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

DATE OF JOB 5-17-17 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 Lotus Operating Company LLC		LEASE Cannon		WELL NO. 1				
ADDRESS		COUNTY Cowley		STATE KS				
CITY STATE		SERVICE CREW MATTAI GIVAS McGraw						
AUTHORIZED BY		JOB TYPE: 2-42 5/8 Day string						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 5-16-17 DATE	AM	TIME
86779	1					ARRIVED AT JOB 5-17-17	AM	4:05
19918	1.5					START OPERATION	AM	8:00
						FINISH OPERATION	AM	9:00
						RELEASED	AM	10:00
						MILES FROM STATION TO WELL		100

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SIGNED: [Signature]  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AA-2 cmt	sq	365		6,205 00
CC111	SALT	lb	1943		971 50
CC102	COIL FINN	lb	92		340 40
CC201	GILSONITE	lb	1827		1,224 09
CC129	FIA 327	lb	172		1,290 00
CC105	C-41 P	lb	86		344 00
CF125	ACTOFILL FRONT SHOE 5/8	EA	1		360 00
CF607	LATCH DOWN PLUG + BARRAGE 5/8	EA	1		400 00
CF1651	TUBULIZER 5/8	EA	4		440 00
CC151	MUD FLUSH	gal	500		750 00
E100	P.U. Mile	mi	100		450 00
E101	HEAVY EQ. Miles	mi	200		1,500 00
E113	PROP + bulk dol	TN	1720		4,300 00
CC204	DEPTH CHARGE 3001-4000	4hr	1		2,160 00
CC240	blend + mix	sq	365		511 00
S003	Supervisor	EA	1		175 00
CC504	PLUG COST	Job	1		250 00
SUB TOTAL					21,670 99

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		8,668 40

SERVICE REPRESENTATIVE Mike Mattai THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

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





PAGE 1 of 1	CUST NO 1002427	YARD # 1718	INVOICE DATE 05/25/2017
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CITY STATE		SERVICE CREW MATTAI GIVAS McGraw						
AUTHORIZED BY		JOB TYPE: 2-42 5/8 Day string						
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CC105	C-41 P	lb	86		344 00
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CF607	LATCH DOWN PLUG + BARRIERS 5/8	EA	1		400 00
CF1651	TUBULIZER 5/8	EA	4		440 00
CC151	MUD FLUSH	gal	500		750 00
E100	P.U. Mile	mi	100		450 00
E101	HEAVY EQ. Miles	mi	200		1,500 00
E113	PROP + bulk dol	TN	1720		4,300 00
CC204	DEPTH CHARGE 3001-4000	Yr	1		2,160 00
CC240	blend + mix	sq	365		511 00
S003	Supervisor	EA	1		175 00
CC504	PLUG COST	Job	1		250 00
SUB TOTAL					21,670 99

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		8,668 40

SERVICE REPRESENTATIVE Mike Mattai	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
------------------------------------	---

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



**BASIC RECEIVED**  
ENERGY SERVICES  
MAY 24 2017

PAGE	CUST NO	YARD #	INVOICE DATE
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INVOICE NUMBER			
92428010			

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 B LOTUS OPERATING CO. LLC  
 I 100 S MAIN ST STE 420  
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 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Cannon 1  
 O LOCATION  
 B COUNTY Cowley  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41025796	19843		Net - 30 days	06/20/2017

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 05/11/2017 to 05/11/2017</i>				
0041025796				
171815109A Cement-New Well Casing/Pi 05/11/2017 Cement 8 5/8 Surface				
Common Cement	200.00	EA	6.40	1,280.00 T
Calcium Chloride	564.00	EA	0.42	236.88 T
Celloflake	50.00	EA	1.48	74.00 T
"Wooden Cmt Plug, 8 5/8""	1.00	EA	64.00	64.00
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	1.80	180.00
Heavy Equipment Mileage	200.00	MI	3.00	600.00
"Proppant & Bulk Del. Chgs., per ton mil	940.00	EA	1.00	940.00
Blending & Mixing Service Charge	200.00	BAG	0.56	112.00
Plug Container Util. Chg.	1.00	EA	100.00	100.00
Depth Charge; 0-500'	1.00	EA	400.00	400.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	70.00	70.00

GL# 9208  
 DESC. Cement Surf csq  
 \_\_\_\_\_  
 \_\_\_\_\_  
 WELL # Cannon

ENTERED  
MAY 23 2017

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	4,056.88
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	107.38
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	4,164.26
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



**BASIC**<sup>SM</sup>  
ENERGY SERVICES

PRESSURE PUMPING & WIRELINE

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

TTHM (80)

FIELD SERVICE TICKET  
1718 15109 A

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

DATE OF JOB <b>5-12-17</b> DISTRICT <b>Pratt</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>Lotus Operating Company LLC</b>				LEASE <b>Cannon</b>		WELL NO. <b>1</b>	
ADDRESS				COUNTY <b>Cowley</b>		STATE <b>Ks</b>	
CITY STATE				SERVICE CREW <b>MATT Mcgraw SLYMER</b>			
AUTHORIZED BY				JOB TYPE: <b>2-42 8 3/8 SURFACE</b>			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	<b>5-12-17</b> DATE <b>AM</b> TIME <b>6:00</b>
<b>1945 X</b>	<b>.5</b>					ARRIVED AT JOB	<b>5-12-17</b> <b>AM</b> <b>10:30</b>
<b>73768 X</b>	<b>.5</b>					START OPERATION	<b>AM</b> <b>6:10</b>
						FINISH OPERATION	<b>AM</b> <b>6:30</b>
						RELEASED	<b>AM</b> <b>7:30</b>
						MILES FROM STATION TO WELL	<b>100</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: *Tim Orsold*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<del>CP 100</del>	<del>COMMON</del>	<del>SK</del>			
CP 100	COMMON	SK	200		3,200 00
CC 109	CALCIUM CHLORIDE	lb	564		592 20
CC 102	CELLARIC	lb	50		185 00
CF 153	WOODM Plug 8 3/8	MA	1		160 00
E 100	P.u. mixer	ml	100		450 00
E 101	Heavy eq mixer	mi	200		4,500 00
E 113	PROP + bulk del	TM	940		2,350 00
CE 200	DEPTH CHARGE	4hr	1		1,000 00
CE 240	blend + mly	SK	200		280 00
S 003	SUPERVISOR	PH	1		175 00
CC 544	Plug CONTAINER	TM	1		250 00

SUB TOTAL **10,142.20**

CHEMICAL / ACID DATA:			

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

TOTAL **4056.48**  
*JW*

SERVICE REPRESENTATIVE <u><i>Matt Mcgraw</i></u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u><i>Tim Orsold</i></u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
--	---

FIELD SERVICE ORDER NO.



PAGE 1 of 1	CUST NO 1002427	YARD # 1718	INVOICE DATE 05/25/2017
INVOICE NUMBER <b>92433274</b>			

RECEIVED

Pratt (620) 672-1201  
 B LOTUS OPERATING CO. LLC  
 I 100 S MAIN ST STE 420  
 L WICHITA  
 L KS US 67202  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Cannon 1  
 O LOCATION  
 B COUNTY Cowley  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

MAY 29 2017

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41027459	86779		Net - 30 days	06/24/2017

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 05/17/2017 to 05/17/2017</i>				
0041027459				
171815111A Cement-New Well Casing/Pi 05/17/2017 Cement 5 1/2" Longstring				
AA2 Cement	365.00	EA	6.80	2,482.00 T
Celloflake	92.00	EA	1.48	136.16 T
Salt	1,943.00	EA	0.20	388.60 T
Gilsonite	1,827.00	EA	0.27	489.64 T
FLA-322	172.00	EA	3.00	516.00 T
C-41P	86.00	EA	1.60	137.60 T
Mud Flush	500.00	EA	0.60	300.00 T
"Auto Fill Float Shoe 5 1/2" (Blue)"	1.00	EA	144.00	144.00
"Latch Down Plug & Baffle, 5 1/2" (Blue)"	1.00	EA	160.00	160.00
"Turbolizer, 5 1/2" (Blue)"	4.00	EA	44.00	176.00
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	1.80	180.00
Heavy Equipment Mileage	200.00	MI	3.00	600.00
"Proppant & Bulk Del. Chgs., per ton mil	1,720.00	EA	1.00	1,720.00
Blending & Mixing Service Charge	365.00	BAG	0.56	204.40
Plug Container Util. Chg.	1.00	EA	100.00	100.00
Depth Charge; 3001-4000'	1.00	EA	864.00	864.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	70.00	70.00
GL# <u>9308</u> DESC. <u>Cement prod casing</u> _____ _____ WELL # <u>Cannon</u>				

ENTERED  
JUN 06 2017

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	8,668.40
BASIC ENERGY SERVICES,LP	BASIC ENERGY SERVICES,LP	TAX	300.38
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	8,968.78
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



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

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

FTMH

42

FIELD SERVICE TICKET  
1718 15111 A

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

DATE OF JOB 5-17-17 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 Lotus Operating Company LLC		LEASE Cannon		WELL NO.					
ADDRESS		COUNTY Cowley		STATE KS					
CITY STATE		SERVICE CREW MATTAI GIVAS McGraw							
AUTHORIZED BY		JOB TYPE: 2-42 5/8 Day string							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 5-16-17	DATE	AM	TIME
86779	1					ARRIVED AT JOB	5-17-17	AM	4:05
19918	1.5					START OPERATION		AM	8:00
						FINISH OPERATION		AM	9:00
						RELEASED		AM	10:00
						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: [Signature]  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AA-2 cmt	sq	365		6,205 00
CC111	SALT	lb	1943		971 50
CC102	COFFIN	lb	92		340 40
CC201	GILSONITE	lb	1827		1,224 09
CC129	FIA 327	lb	172		1,290 00
CC105	C-41 P	lb	86		344 00
CF125	ACTOFILL FRONT shoe 5/8	ea	1		360 00
CF607	LATCH DOWN plug + BARFIRE 5/8	ea	1		400 00
CF1651	TUBULIZER 5/8	ea	4		440 00
CC151	MUD FLUSH	gal	500		750 00
E100	P.U. Mile	mi	100		450 00
E101	HEAVY eq. miles	mi	200		1,500 00
E113	PROP + bulk dol	TN	1720		4,300 00
CC204	DEPTH CHARGE 3001-4000	4hr	1		2,160 00
CC240	blend + mix	sq	365		511 00
S003	Supervisor	ea	1		175 00
CC504	PLUG COST	Job	1		250 00
SUB TOTAL					21,670 99

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		8,668 40

SERVICE REPRESENTATIVE Mike Mattai	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
------------------------------------	---

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

# TREATMENT REPORT

Operator <i>LOTUS OPERATING COMPANY</i>		Lease No. <i>11C</i>	Date <i>5-17-17</i>	
Well # <i>CANNON</i>		Well # <i>1</i>		
Field Order # <i>15711</i>	Station <i>Pratt</i>	Casing <i>5 1/2</i>	Depth <i>3401</i>	County <i>Cowley</i> State <i>KS</i>
Type Job <i>2-412</i>	<i>5 1/2 LONG STUBS</i>		Formation <i>Shoe 34.7'</i>	Legal Description

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size <i>5 1/2</i>	Tubing Size	Shots/Ft		Acid <i>365 SXS AA-2</i>	RATE	PRESS	ISIP
Depth <i>3401</i>	Depth	From	To	Pre Pad <i>LOTUS BL</i>	Max		5 Min.
Volume <i>79</i>	Volume	From	To	Pad	Min		10 Min.
Max Press <i>1500</i>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection <i>3306.3</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>78.2</i>	Packer Depth	From	To	Flush <i>78.2</i>	Gas Volume		Total Load

Customer Representative *Ruben Brown* Station Manager *Westerman* Treater *Mike Mattal*

Service Units <i>83353</i>	<i>78592</i>	<i>86779</i>	<i>19889</i>	<i>19968</i>				
Driver Names <i>MATTAL</i>	<i>GRAVES</i>		<i>MC GRAW</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>4:05</i>					<i>ON LOCATION / STARTY MEETING</i>
<i>5:10</i>					<i>RUN 5 1/2 casing, shoe</i>
<i>—</i>					<i>TUBUS ON 5, 10, 15, 20</i>
<i>—</i>					<i>BASKETS ON</i>
<i>6:45</i>					<i>CSNG ON BOTTOM</i>
<i>6:50</i>					<i>HOOK TO CSNG / BREAK CIRC W. RIG</i>
<i>8:01</i>	<i>300</i>		<i>3</i>	<i>4.5</i>	<i>PUMP 3 bbls WATER</i>
<i>8:03</i>	<i>300</i>		<i>12</i>	<i>4.5</i>	<i>PUMP 500 gal. mud flush</i>
<i>8:07</i>	<i>300</i>		<i>3</i>	<i>4.5</i>	<i>PUMP 3 bbl water</i>
<i>8:08</i>	<i>300</i>		<i>89</i>	<i>4.5</i>	<i>MIX 340 SXS AA-2</i>
<i>8:28</i>	<i>—</i>		<i>4</i>	<i>4</i>	<i>WASH PUMP + LINE / DROP PLUG</i>
<i>8:30</i>	<i>100</i>		<i>—</i>	<i>4.5</i>	<i>START DISPLACEMENT</i>
<i>8:38</i>	<i>260</i>		<i>30</i>	<i>4.5</i>	<i>LIFT PRESSURE</i>
<i>8:46</i>	<i>940</i>		<i>69</i>	<i>3</i>	<i>SLOW RATE</i>
<i>8:50</i>	<i>2100</i>		<i>78.2</i>		<i>PLUG DOWN, RELEASED + KILL</i>
<i>9:00</i>			<i>7</i>		<i>PLUG BAT HOLE</i>
					<i>CIRC. THRU JOB</i>
					<i>JOB COMPLETE</i>
					<i>THANK YOU!</i>
					<i>MIKE MATTAL</i>
					<i>SCOTT + MIKE</i>



**BASIC RECEIVED**  
ENERGY SERVICES  
MAY 24 2017

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1002427	1718	05/21/2017
INVOICE NUMBER			
92428010			

Pratt (620) 672-1201  
 B LOTUS OPERATING CO. LLC  
 I 100 S MAIN ST STE 420  
 L WICHITA  
 L KS US 67202  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Cannon 1  
 O LOCATION  
 B COUNTY Cowley  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41025796	19843		Net - 30 days	06/20/2017

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 05/11/2017 to 05/11/2017</i>				
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171815109A Cement-New Well Casing/Pi 05/11/2017 Cement 8 5/8 Surface				
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Calcium Chloride	564.00	EA	0.42	236.88 T
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Heavy Equipment Mileage	200.00	MI	3.00	600.00
"Proppant & Bulk Del. Chgs., per ton mil	940.00	EA	1.00	940.00
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Plug Container Util. Chg.	1.00	EA	100.00	100.00
Depth Charge; 0-500'	1.00	EA	400.00	400.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	70.00	70.00

GL# 9208  
 DESC. Cement Surf csq  
 \_\_\_\_\_  
 \_\_\_\_\_  
 WELL # Cannon

ENTERED  
MAY 23 2017

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	4,056.88
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	107.38
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	4,164.26
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		





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

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

TTHM (80)

FIELD SERVICE TICKET  
1718 15109 A

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

DATE OF JOB <b>5-12-17</b> DISTRICT <b>Pratt</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>Lotus Operating Company LLC</b>		LEASE <b>Cannon</b> WELL NO. <b>1</b>										
ADDRESS		COUNTY <b>Cowley</b> STATE <b>Ks</b>										
CITY STATE		SERVICE CREW <b>MATT Mcgraw SLYMER</b>										
AUTHORIZED BY		JOB TYPE: <b>2-42 8 3/8 SURFACE</b>										
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	<b>5-12-17</b>	DATE	<b>5-12-17</b>	AM	PM	TIME
<b>1945 X</b>	<b>.5</b>					ARRIVED AT JOB	<b>5-12-17</b>			<b>AM</b>	<b>PM</b>	<b>10:30</b>
<b>73768 X</b>	<b>.5</b>					START OPERATION				<b>AM</b>	<b>PM</b>	<b>6:10</b>
						FINISH OPERATION				<b>AM</b>	<b>PM</b>	<b>6:30</b>
						RELEASED				<b>AM</b>	<b>PM</b>	<b>7:30</b>
						MILES FROM STATION TO WELL						<b>100</b>

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SIGNED: Tim Orsold  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<del>CP 100</del>	<del>Common</del>	<del>SK</del>			
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CC 109	Calcium chloride	lb	564		592 20
CC 102	Cellulose	lb	50		185 00
CF 153	WOODM Plug 8 3/8	MA	1		160 00
E 100	P.u. mixer	ml	100		450 00
E 101	Heavy eq mixer	mi	200		4,500 00
E 113	PROP + bulk del	TM	940		2,350 00
ce 200	depth charge	4hr	1		1,000 00
ce 240	blend + mly	SK	200		280 00
S 003	supervisor	SH	1		175 00
CC 544	Plug container	MA	1		250 00

SUB TOTAL **10,142.20**

CHEMICAL / ACID DATA:			

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

TOTAL **4056.48**  
JW

SERVICE REPRESENTATIVE <u>Matt Mcgraw</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Tim Orsold</u>
---	---

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



# GEOLOGICAL REPORT

## WellSight Systems

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: CANNON # 1  
Location: SECTION 13-T34S-5E  
License Number: API:15-035-24652  
Spud Date:  
Surface Coordinates: 2240' FSL 730' FEL

Region: COWLEY CO, KS  
Drilling Completed:

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 1128                      K.B. Elevation (ft): 1136  
Logged Interval (ft):                      To:                      Total Depth (ft):  
Formation:  
Type of Drilling Fluid: CHEM

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

### OPERATOR

Company: LOTUS OPERATING COMPANY,I.I.c.  
Address: 100 S. Main Ste. 420  
Wichita, Kansas 67202

### GEOLOGIST

Name: JOE M.BAKER  
Company: Mako Operating Co., LLC  
Address: P.O BOX 931  
ANDOVER KANSAS 67002

### E-Log Tops

IATAN  
STALNAKER  
LANSING LM  
IOLA LM  
LAYTON SD  
KANSAS CITY LIME  
DODDS CREEK SD  
MARMATON /ALTAMONT  
CHEROKEE SH  
MISS LIME  
NORTHVIEW SH  
COMPTON LM  
RTD  
LTD

### Comments

### ROCK TYPES

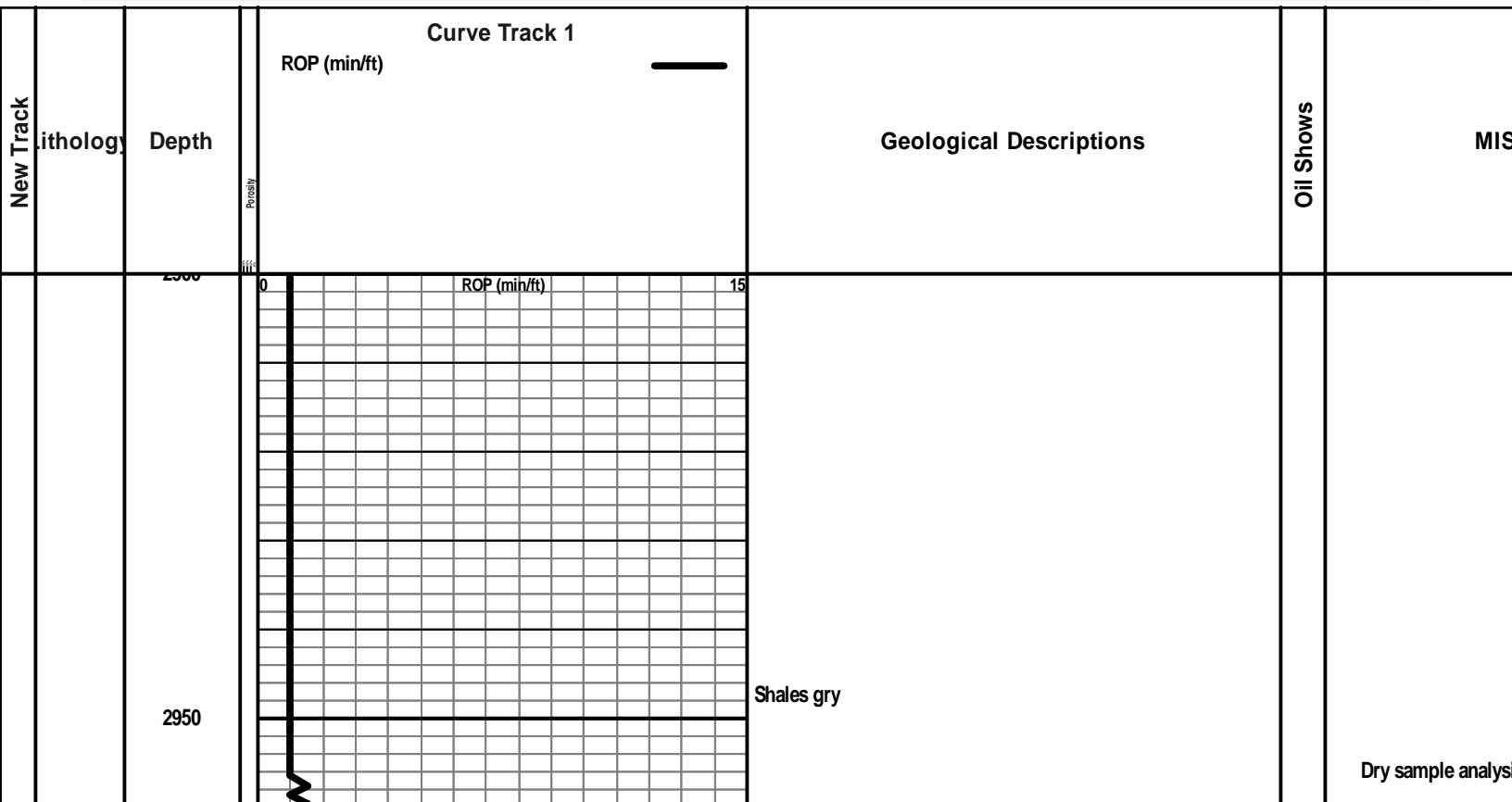
Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Coal	Igne	Salt	Slstst
Brec	Congl	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

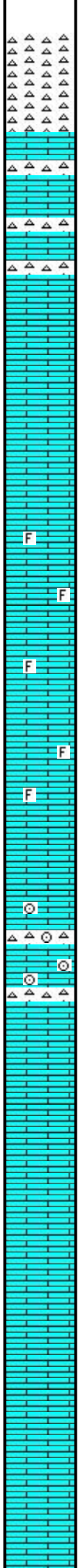
### ACCESSORIES

<b>MINERAL</b>	Gyp	<b>FOSSIL</b>	Ostra	Slststrg
Anhy	Hvymin	Algae	Pelec	Ssstrg
Arggrn	Kaol	Amph	Pellet	<b>TEXTURE</b>
Arg	Marl	Belm	Pisolite	Boundst
Bent	Minxl	Bioclst	Plant	Chalky
Bit	Nodule	Brach	Strom	Cryxln
Brecfrag	Phos	Bryozoa	<b>STRINGER</b>	Earthy
Calc	Pyr	Cephal	Anhy	Finexln
Carb	Salt	Coral	Arg	Grainst
Chtdk	Sandy	Crin	Bent	Lithogr
Chtlt	Silt	Echin	Coal	Microxln
Dol	Sil	Fish	Dol	Mudst
Feldspar	Sulphur	Foram	Gyp	Packst
Ferrpel	Tuff	Fossil	Ls	Wackest
Ferr		Gastro	Mrst	
Glau		Oolite		

### OTHER SYMBOLS

<b>POROSITY</b>	Vuggy	<b>ROUNDING</b>	Spotted	<b>EVENT</b>
Earthy		Rounded	Ques	Rft
Fenest	<b>SORTING</b>	Subrnd	Dead	Sidewall
Fracture	Well	Subang	<b>INTERVAL</b>	
Inter	Moderate	Angular	Core	
Moldic	Poor	<b>OIL SHOW</b>	Dst	
Organic		Even		
Pinpoint				





3000  
3050  
3100  
3150

**MISS LM  
2978 (-1842)**

ROP (min/ft) 0 15

Chert wh/tan staining fr weather por fluorr 1-2 psc

Ls tan fnxn sl fossil fluor ~10% fr vuggy por  
chert aa wh/tan stain weath por cherts wh /tan staining

Ls tan /wh microxn dns abund chert wh-blue fresh ang sharp  
dns

Ls dk brn vy dns microxn few psc of Ls fnxn w/ sl stain

Ls wh/tan sl fossil 2 psc w/ fluor no odor abund shales gry/grn

Ls tan /wh a few pcs w fluor,fossil aa some medxn lm calc  
inclu ,crush easy,ft odor

Ls aa tan /wh f-medxn calc incl,sl chalky 1-2 psc w/ fluor no  
odor,it streaming oil @ surface of tray?

Ls aa tan/wh f-medxn- fossil por,1-2 pcs w/ flour no odor,vssso

Ls tan vy fossil ,crnoid porosity possible gas bubbs @ break  
,ssfo? 1-2psc w/ fluor

Ls aa tan f-medxn fossil inc chert wh dns fresh  
1-2 psc w/ fluor

Ls aa tan fossil ,crinoid lt oil @ brk few psc w/ stn

Ls tan dns inc cherts wh fresh no shows

Ls tan f-med xln abund chert fresh wh-blue fossil /spiculated no  
por

Ls crm tan f-mrdxn foss lt oil@brk

Increase in shales dkgy/grn ls tan medxn SSO@ brk

Ls tan/gry medxn subfossil lg calc inclu

Start 10 wet  
samples @ 30  
Hellman trail

3200

3250

3300

3350

3400

0

ROP (min/ft)

15

Ls tan/gry f-medxl n 1-2 pcs w/ fluor vssolt oil @ brk

Ls /dolo dk brn vy fnxln-micro brittle sl argill/glaconitic in part

Ls /dolo aa fnxln argill inpt a few psc tan lsw/fluor so @ brk no odor

Ls/dolo dk brn dns micro brittle sl glaconitic

Ls aa dolo dns microxl n glacoxls

Ls/dol dk brn dns microln aa

Ls dk aa inc in lt tan medxl n sso ,shales gry grn

Ls wh/tan "wash white" chalky

COWLEY?

Dolo/dk brn glaconitic 2-3 psc w/ fluor sso @ brk w,isolated gas bubs no odor

Dolo/dk brn aa few psc w/ fluor ,no odor sso/gas @ brk inc in gy/grn shale

Dolo /ls dk brn fnxln glconic brittle gas bubbs& scum oil @ brk

Kinderhook  
3394(-2258)

Ls tan brn fnxln not much in samples

Mud-Co 5/16/  
3354'  
Vis: 52  
Wt :9.3+  
WL: 8  
G/S:10/26  
LCM: 3#

3400

0

ROP (min/ft)

15

Shales/dolo dk brn lt odor inc gas bubbs @ brk

Shales dk brn/blk fr odor "wash brown"

RTD 3434 (-2298)

3450

3500

