

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	Chieftain Oil Co., Inc.
Well Name	PHYE 3
Doc ID	1419331

All Electric Logs Run

Compensated Density-NeutronLog
Dual Induction Log
Geologist Log
Leeth Evaluation Log
Micro Log
Sonic Cement Bond Log
Triple Combo Log

Form	ACO1 - Well Completion
Operator	Chieftain Oil Co., Inc.
Well Name	PHYE 3
Doc ID	1419331

Tops

Name	Top	Datum
Elgin SS	3447	-1849
Heebner SH	3580	-1982
Douglas / Ireland SS	3709	-2111
Lansing	3763	-2165
Stark SH	4139	-2541
Hushpuckney SH	4177	-2579
B/Kansas City	4232	-2634
Mississippian Osage Chert	4341	-2743
Miss. LS	4396	-2198
Lower Miss. Chert Porosity	4433	-2835
Kinderhook Sh	4471	-2873
Chatt./Woodford Sh.	4562	-2964
Viola	4599	-3001
TD	4675	-3077

Form	ACO1 - Well Completion
Operator	Chieftain Oil Co., Inc.
Well Name	PHYE 3
Doc ID	1419331

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	4342	4354			
2	4354	4362			
4	4362	4372			
					1000 Gal 7-1/2% NEFE
					1500 Gal 15% NEFE 150 Ball Sealer
					25 Tank Slick Water, 201,100# Sand





PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1000719	1718	06/25/2018
<b>INVOICE NUMBER</b>			
<b>92739482</b>			

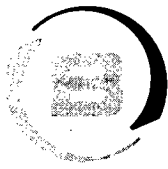
Pratt (620) 672-1201  
 B CHIEFTAIN OIL COMPANY  
 I PO Box: 124  
 L KIOWA  
 L KS US 67070  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Phye 3  
 O LOCATION  
 B COUNTY Barber  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41115763	19843		Net - 30 days	07/25/2018

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 06/22/2018 to 06/22/2018</i>				
0041115763				
171816812A Cement-New Well Casing/Pi 06/22/2018 Cement/Production Casing				
A-Serv Lite	50.00	EA	7.04	351.78 T
AA2 Cement	200.00	EA	9.20	1,840.08 T
Celloflake	75.00	EA	2.00	150.18 T
A-Serv Lite "	50.00	EA	7.04	351.78 T
Salt	1,001.00	EA	0.27	270.87 T
C-41P	94.00	EA	2.16	203.49 T
C-17	113.00	LB	10.82	1,223.11 T
Gilsonite	1,001.00	EA	0.36	362.97 T
BES: C-MagChem 10 CR	564.00	LB	1.46	824.14
"Auto Fill Float Shoe 5 1/2" (Blue)"	1.00	EA	194.83	194.83
"Latch Down Plug & Baffle, 5 1/2" (Blu	1.00	EA	216.48	216.48
"5 1/2" Basket (Blue)"	2.00	EA	156.95	313.90
"Turbolizer, 5 1/2" (Blue)"	7.00	EA	59.53	416.72
Mud Flush	500.00	EA	0.81	405.90 T
Super Flush II	500.00	EA	0.83	414.02 T
"Unit Mileage Chg (PU, cars one way)"	25.00	MI	2.44	60.88
Heavy Equipment Mileage	50.00	MI	4.06	202.95
343---& Bulk Del Chgs per ton mil	1.00	EA	464.15	464.15
Depth Charge; 4001'-5000'	1.00	EA	1,363.82	1,363.82
Blending & Mixing Service Charge	300.00	BAG	0.76	227.30
"Service Supervisor, first 8 hrs on loc.	1.00	EA	94.71	94.71
Plug Container Util. Chg.	1.00	EA	135.30	135.30

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	10,089.36
BASIC ENERGY SERVICES,LP	BASIC ENERGY SERVICES,LP	TAX	418.06
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	10,507.42
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

Time = 30

FIELD SERVICE TICKET  
1718 16812 A

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

DATE OF JOB 6/22/18	DISTRICT	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 Chertam Oil Company Inc		LEASE Phyc		WELL NO. 3						
ADDRESS		COUNTY Barber		STATE KS						
CITY		STATE		SERVICE CREW Scott, Edy, Derrick						
AUTHORIZED BY Ryan Male		JOB TYPE: 5 1/2 Production Casing 242								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
19847	1						6/21/18	AM		11:30
19867	13						6/22/18	AM		5:30
							6/22/18	AM		6:30
							6/22/18	AM		7:15
						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 X Ryan Male  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP106	A serv lite	SK	50		650.00
CP105	AAZ Cement	SK	200		3400.00
CP106	A serv lite	SK	50		650.00
CC102	Cellof lake	lb	75		277.50
CC111	Salt	lb	1001		500.80
CC105	C-41P	lb	94		376.00
CC148	C-17	lb	113		2260.00
CC701	Galsonite	lb	1001		670.67
CC189	Magnesium 10CR	lb	564		2284.20
CF1251	Auto Fill Float Shoe 5 1/2	Ea	1		360.00
CF607	latch Down Plug + Baffle 5 1/2	Ea	1		400.00
CF1901	5 1/2 Basket 5 1/2	Ea	2		580.00
CF1651	Turbalizers 5 1/2	Ea	7		770.00
CC151	Mud Flush	Gal	500		750.00
CC155	SuperFlush II	Gal	500		765.00
E100	Unit Mileage Charge Pickup	MI	75		112.50
E101	Heavy Equipment Mileage	MI	80		375.00
E113	Prod Salt Delivery	TM	343		856.25
CE705	Depth Charge 4001-5000'	4hrs	1		2520.00

SUB TOTAL

CHEMICAL / ACID DATA:			

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

TOTAL

244

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





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

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

FIELD SERVICE TICKET

1718 ~~16813~~ A  
 CONT. ... 16812 A

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

DATE OF JOB: 6/22/18		DISTRICT		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: Cheftain Oil Company Inc				LEASE: Phyc		WELL NO. 3			
ADDRESS				COUNTY: Barber		STATE: KS			
CITY				STATE		SERVICE CREW: Scott, Edy, Derrick			
AUTHORIZED BY: Ryan Mate				JOB TYPE: 5/2 Production Cas. #4					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
2620-19843	1						6/21/18	AM	11:30
19862	.3						6/22/18	AM	5:30
							6/22/18	PM	6:30
							6/22/18	PM	7:15
						MILES FROM STATION TO WELL			

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CE 240	Blending + Mixing Charge	SK	300		420.00
5003	Service Supervisor	EA	1		175.00
CE 504	Plug Container Utilization	FE	1		750.00

CHEMICAL / ACID DATA:			

SUB TOTAL	19,402	67
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL	10,089	36

SERVICE REPRESENTATIVE: THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO. \_\_\_\_\_ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer <i>Cherokee Oil Company</i>	Lease No.	Date <i>6/22/15</i>
Lease <i>Phyc</i>	Well # <i>3</i>	
Field Order # <i>16817</i>	Station <i>Pratt KS</i>	Casing <i>4 1/2" x 13.75"</i>
		Depth <i>111</i>
Type Job <i>5 1/2" Production Casing</i>	Formation	County <i>Barber</i>
		State <i>KS</i>
		Legal Description

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size <i>5 1/2"</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth <i>4 1/2" x 13.75"</i>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <i>111.04</i>	Volume	From	To	Pad	Min		10 Min.
Max Press <i>7150</i>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection <i>5 1/2"</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative <i>Mike Meltz</i>	Station Manager <i>Justin Wintersman</i>	Treater <i>Scott Grooms</i>
Service Units <i>GLS1 84981 198413 70959 14567</i>		
Driver Names <i>Scott Edy - Derrick -</i>		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>6/21 11:30</i>					<i>On Location Safety Meeting Rig up</i>
<i>6/22 1:40</i>					<i>Rin float equipment &amp; Baskets 2, 5 Tube # 3, 5, 7, 9, 11, 13, 15</i>
<i>4:30</i>					<i>Break Circulation</i>
<i>5:37</i>	<i>300</i>			<i>5</i>	<i>Primo H2O spacer</i>
<i>5:38</i>	<i>250</i>		<i>5</i>	<i>5</i>	<i>Start Mud Flush</i>
<i>5:40</i>	<i>250</i>		<i>12</i>	<i>5</i>	<i>Start Superflush II</i>
<i>5:42</i>	<i>175</i>		<i>12</i>	<i>5.5</i>	<i>Start Sclerant</i>
<i>5:45</i>	<i>150</i>		<i>17</i>	<i>5.5</i>	<i>Start AA7 Cement</i>
<i>5:55</i>	<i>0</i>		<i>51</i>	<i>0</i>	<i>Start down 1/2 inch pump + line</i>
<i>5:57</i>	<i>100</i>			<i>6</i>	<i>Release Plug Start Displacement</i>
<i>6:09</i>	<i>300</i>		<i>70</i>	<i>3.5</i>	<i>1 1/1 Pressure</i>
<i>6:14</i>	<i>800</i>		<i>30</i>	<i>3.5</i>	<i>Reduce Rate</i>
<i>6:15</i>	<i>850</i>		<i>11</i>	<i>3.5</i>	<i>Plug landed</i>
<i>6:15</i>	<i>1500</i>				<i>Increase Pressure</i>
<i>6:15</i>	<i>1500</i>				<i>Start down pressure hold</i>
<i>6:16</i>	<i>0</i>				<i>Release Pressure All Returns</i>
<i>6:25</i>	<i>0</i>		<i>10</i>	<i>3</i>	<i>Plug Port hole 20 SPS</i>
<i>6:30</i>	<i>0</i>		<i>7</i>	<i>3</i>	<i>Plug Mouse hole 20 SPS</i>
				<i>3</i>	<i>1/2 inch in equipment</i>
					<i>Take Variable</i>



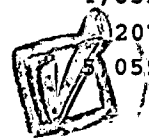
PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1000719	1718	06/18/2018
<b>INVOICE NUMBER</b>			
<b>92734598</b>			

Pratt (620) 672-1201  
 B CHIEFTAIN OIL COMPANY  
 L PO Box: 124  
 L KIOWA  
 T KS US 67070  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Phye 3  
 O LOCATION  
 B COUNTY Barber  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41114192	27463		Net - 30 days	07/18/2018
<b>ENTERED</b>				
<b>JUN 25 2018</b>				
<b>BY: 9121 BC</b>				
<i>For Service Dates: 06/16/2018 to 06/16/2018</i>				
0041114192			UNIT PRICE	INVOICE AMOUNT
171816792A Cement-New Well Casing/Pi 06/16/2018 Cement/Surface				
60/40 POZ		300.00 EA	7.08	2,124.00 T
Celloflake		75.00 EA	2.18	163.72 T
Calcium Chloride		774.00 EA	0.62	479.49 T
"Top Rubber Cmt Plug, 8 5/8""		1.00 EA	132.75	132.75
"Baffle Plate Alum., 8 5/8"" (Blue)"		1.00 EA	100.30	100.30
"Unit Mileage Chg (PU, cars one way)"		25.00 MI	2.65	66.37
Heavy Equipment Mileage		50.00 MI	4.43	221.25
323---Propp & Bulk Del Chgs per ton mil		1.00 EA	475.70	475.70
Depth Charge; 0-500'		1.00 EA	590.00	590.00
Blending & Mixing Service Charge		300.00 BAG	0.83	247.80
Plug Container Util. Chg.		1.00 EA	147.50	147.50
"Service Supervisor, first 8 hrs on loc.		1.00 EA	103.25	103.25

<b>PLEASE REMIT TO:</b>	<b>SEND OTHER CORRESPONDENCE TO:</b>	<b>SUB TOTAL</b>	4,852.13
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	<b>TAX</b>	207.54
PO BOX 841903	801 CHERRY ST, STE 2100	<b>INVOICE TOTAL</b>	5,059.67
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		





**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

TTMIT  
32

0041114192  
FIELD SERVICE TICKET

1718 16792 A

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

DATE OF JOB: 6-16-18		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: Chieftain Oil				LEASE: Phye				WELL NO. 3							
ADDRESS:				COUNTY: Barber				STATE: KS							
CITY:				STATE:				SERVICE CREW: MATTA							
AUTHORIZED BY:				JOB TYPE: 2-42 8 5/8 541KAO											
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED		DATE	AM	PM	TIME				
27463	.5	-						6-16-18			8:00				
						ARRIVED AT JOB			AM	PM	10:00				
						START-OPERATION			AM	PM	12:42				
19919	.5					FINISH OPERATION			AM	PM	1:15				
						RELEASED			AM	PM	2:15				
						MILES FROM STATION TO WELL					25				

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
CP 103	60/40 Poz	SK	300		3,600.00
CC 102	Cellulose	lb	75		277.50
CC 109	Calcium chloride	lb	774		812.70
CF 105	TOP RUBBER Plug 8 5/8	EA	1		225.00
CF 753	BAFFLE PLATE Aluminum 8 5/8	EA	1		170.00
E 100	P.U. Milk	Mi	25		112.50
E 101	Heavy eq milk	Mi	50		375.00
E 113	PROP + bulk del.	TM	323		806.25
CE 200	delta charge. 0-500'	4hr	1		1,000.00
CE 240	blend + mix charge	SK	300		420.00
CE 504	Plug coat.	JOB	1		250.00
5007	Supervisor	EA	1		175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		8,223.95
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		4,852.13

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

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

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer	chieftain oil	Lease No.		Date	6-16-18			
Lease	Phyc	Well #	3					
Field Order #	16742	Station	Pratt KS	Casing	8 5/8	Depth	396	
				County	BARBER	State	KS	
Type Job	2-42 8 5/8 SURFACE			Formation			Legal Description	25-315-12W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	8 5/8	Tubing Size		Acid	300 SWS	60/40 PZ	PRESS
Depth	396	From		Pre Pad	370 cc	Max	25.00 HHP / 11K IAM
Volume	25.2	To		Pad		Min	10 Min.
Max Press	500	From		Frac		Avg	15 Min.
Well Connection	P.C.	To		HHP Used			Annulus Pressure
Plug-Depth	350	From		Flush	22.5	Gas Volume	Total Load

Customer Representative	RYAN MOLZ	Station Manager	WESTMAN	Treater	MATTAL
Service Units	8335	27463	19959	19914	
Driver Names	MATTAL	HANSON	TYLER		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log	
10:00					On location / safety meeting	
11:15					Run 8 5/8 casing w baffled plate inst	
12:25					Casing on bottom	
12:30					Hook to casing / Break circ w. Rig	
12:42	50			3	5	Pump 3 bbl. water
12:44	125			65	6	Mix 300 SWS 60/40 PZ
1:03	-			-	-	Release plug
1:07	100			-	3	START DISPLACEMENT
1:15	350			22.5	-	Plug down / shut in well -
						CMT TO SURFACE
					JOB COMPLETE	
					THANK YOU!	
					MIKE MATTAL	
					JOSH + TYLER	



**Company: Chieftain Oil Co., Inc.**  
**Lease: Phye #3**

SEC: 25 TWN: 31S RNG: 12W  
 County: BARBER  
 State: Kansas  
 Drilling Contractor: Fossil Drilling, Inc.  
 - Rig 3  
 Elevation: 1586 GL  
 Field Name: Whelan West  
 Pool: Infield  
 Job Number: 180

**DATE**  
 June  
**20**  
 2018

**DST #1**      **Formation: MISS**      **Test Interval: 4290 - 4363'**      **Total Depth: 4363'**  
 Time On: 03:29 06/20      Time Off: 14:54 06/20  
 Time On Bottom: 05:55 06/20      Time Off Bottom: 09:10 06/20

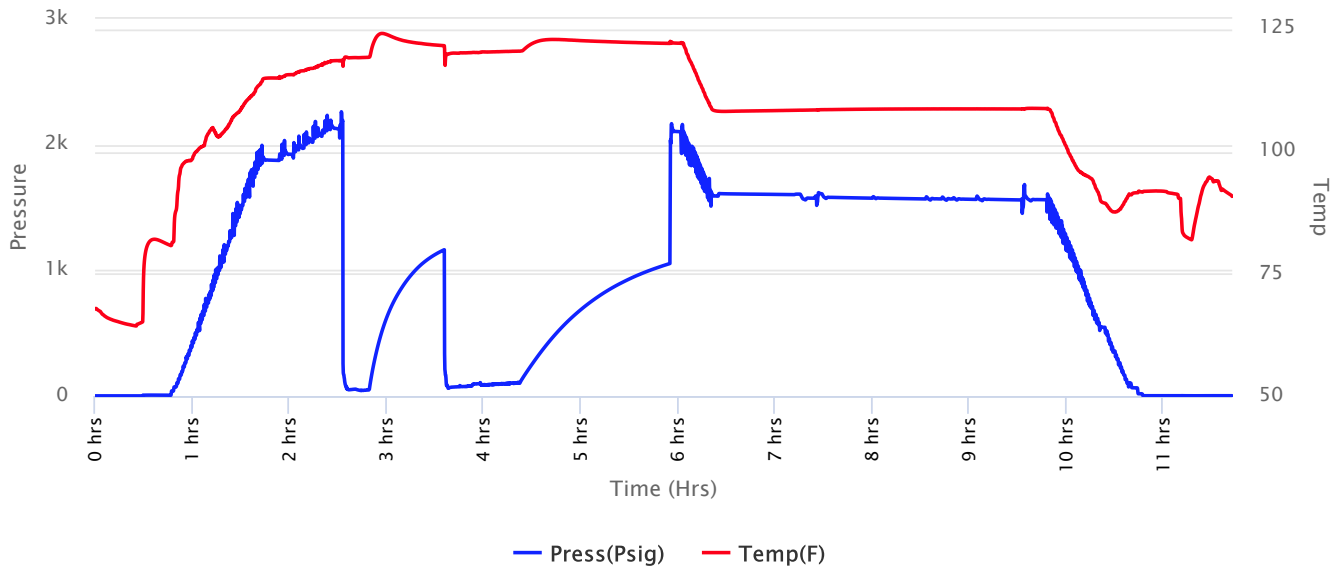
Electronic Volume Estimate:  
 N/A

1st Open  
 Minutes: 15  
 GAUGING GAS" at 15 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 45  
 GAUGING GAS" at 45 min

2nd Close  
 Minutes: 90  
 0" at 90 min





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Recovered

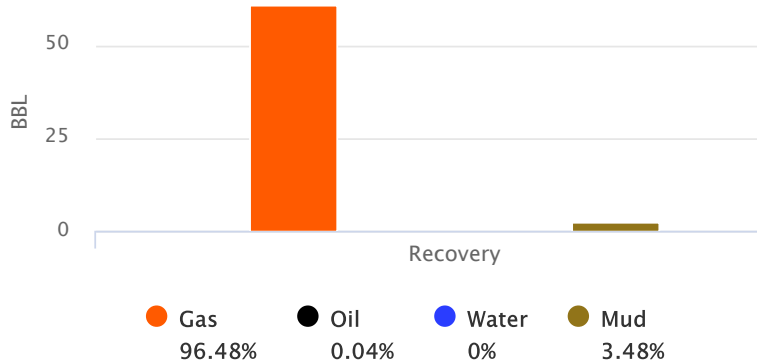
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
4257	60.57711	G	100	0	0	0
50	0.7115	SLOCSLGCM	3	1	0	96
128	1.82144	SLOCSLGCM	16	1	0	83

Total Recovered: 4435 ft  
 Total Barrels Recovered: 63.11005

Reversed Out  
 NO

Initial Hydrostatic Pressure	2127	PSI
Initial Flow	53 to 56	PSI
<b>Initial Closed in Pressure</b>	<b>1164</b>	<b>PSI</b>
Final Flow Pressure	62 to 107	PSI
<b>Final Closed in Pressure</b>	<b>1054</b>	<b>PSI</b>
Final Hydrostatic Pressure	2106	PSI
Temperature	125	°F
Pressure Change Initial Close / Final Close	9.5	%

**Recovery at a glance**





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**REMARKS:**

TOOL SAMPLE:30% GAS 12% OIL 8% WATER 50% MUD

IFP:3"BLOW-INCREASING TO BOB IN 25 SECONDS

ISIP:NO BLOW BACK

FFP:BOB INSTANTLY

FSIP:NO BLOW BACK





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**Down Hole Makeup**

<b>Heads Up:</b> 20.03 FT	<b>Packer 1:</b> 4285 FT
<b>Drill Pipe:</b> 4277.46 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4290 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4274.42 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4328 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 73	<b>Surface Choke:</b> 1"
<u><b>Anchor Makeup</b></u>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> .5 FT	
<b>Drill Pipe: (in anchor):</b> 32 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> .5 FT	
<b>Perforations: (below):</b> 36 FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** CHEMICAL    **Weight:** 9.6      **Viscosity:** 49      **Filtrate:** 10.4      **Chlorides:** 4000 ppm



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**Gas Volume Report**

**Remarks:** GTS @ 10 MINS INTO INITIAL FLOW PERIOD SAMPLE TAKEN @ 20 MINS INTO FINAL FLOW PERIOD GAS DID BURN

1st Open

Time	Orifice	PSI	MCF/D
15	0.0625	6.0	2.218

2nd Open

Time	Orifice	PSI	MCF/D
5	0.0625	10	2.969
10	0.0625	12	3.299
15	0.0625	13	3.456
20	0.0625	14	3.644
25	0.0625	14	3.644
30	0.0625	14	3.644
35	0.0625	14	3.644
40	0.0625	14	3.644
45	0.0625	14	3.644

