

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 Recompletion Date _____ 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. 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
--	---

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	BLOCKER 16-12
Doc ID	1441628

All Electric Logs Run

Annular Volume
Micro log
Porosity
Repeat Section
Resistivity
Sonic

Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	BLOCKER 16-12
Doc ID	1441628

Tops

Name	Top	Datum
Miss Chat Pay	1	1135
Topeka	1714	-578
Heeb	2128	-992
LKC	2902	-1773
Marm	3184	-2048
Cher	3314	-2178
Miss	3421	-2286
Kind	3755	-2619
Simp	3793	-2657



RECEIVED
 DEC 04 2018
 (620) 672-1201

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1009504	1718	11/28/2018
INVOICE NUMBER			
92856027			

Pratt
 B K3 OIL & GAS
 I 24900 PITKIN RD, SUITE 305
 L THE WOODLANDS
 L TX US 77386
 T
 O ATTN: SELIGMAN

J LEASE NAME Blocker 16-12
 O LOCATION
 B COUNTY Sumner
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41146943	27463		Net - 30 days	12/28/2018

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 11/21/2018 to 11/21/2018</i>				
0041146943				
171817474A Cement-New Well Casing/Pi 11/21/2018 8 5/8" Surface Casing				
A-Con' Blend	165.00	EA	10.26	1,692.90 T
Common Cement	165.00	EA	9.12	1,504.80 T
90 Lbs - Celloflake	1.00	EA	189.81	189.81 T
936 Lbs - Calcium Chloride	1.00	EA	560.20	560.20 T
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	128.25	128.25
100 Miles/ Unit Mileage Chg	1.00	MI	256.50	256.50
200 Miles/ Heavy Equipment Mileage	1.00	MI	855.00	855.00
1560 Tn/M - Proppant & Bulk Del. Chgs.	1.00	EA	2,223.00	2,223.00
Depth Charge; 0-500'	1.00	EA	570.00	570.00
330 Sks Blending & Mixing Service Charge	1.00	BAG	263.34	263.34
Plug Container Util. Chg.	1.00	EA	142.50	142.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	99.75	99.75
Company				
Well Name				
Bill Account				
Approval				

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:		
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	SUB TOTAL	8,486.05
PO BOX 841903	801 CHERRY ST, STE 2100	TAX	296.08
DALLAS, TX 75284-1903	FORT WORTH, TX 76102	INVOICE TOTAL	8,782.13



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

TTM 4
91

FIELD SERVICE TICKET
1718 17474 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>11-21-18</u> DISTRICT <u>Pratt</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <u>K-3 oil + Gas operating co</u>		LEASE <u>Block</u>		WELL NO <u>6</u>					
ADDRESS		COUNTY <u>Sumner</u>		STATE <u>KS</u>					
CITY		STATE		SERVICE CREW <u>MARINE HANSON BROWN</u>					
AUTHORIZED BY		JOB TYPE: <u>2 42 8 7/8 SURF</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
<u>27463</u>	<u>0.5</u>						<u>11-20</u>	<u>AM</u>	<u>8:00</u>
						ARRIVED AT JOB	<u>11-20</u>	<u>AM</u>	<u>11:30</u>
						START OPERATION	<u>11-21</u>	<u>AM</u>	<u>8:31</u>
<u>21016</u>	<u>0.5</u>					FINISH OPERATION		<u>PM</u>	<u>9:00</u>
						RELEASED		<u>AM</u>	<u>10:00</u>
						MILES FROM STATION TO WELL	<u>100</u>		

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

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

SIGNED: X DUST D
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP101	A-con Blend	SA	165		2,970.00
CP100C	Common mix	SA	165		2,640.00
CC702	Cellulose	lb	90		330.00
CC109	Calcium chloride	lb	936		982.80
CF105	TOP RUBBER plug 8 7/8	ea	1		225.00
E100	P.U. miles	mi	100		450.00
E101	Heavy eq mix	mi	200		1,500.00
E113	plug + bulk dot	EA	1560		3,400.00
CE200	depth charge 0-500'	4hr	1		1,000.00
CE240	blend + mix	SA	330		462.00
CE504	plug coil	Tool	1		250.00
S003	Supervisor	ea	1		175.00
SUB TOTAL					14,687.80

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		8,486.00

SERVICE REPRESENTATIVE M. Ke Martin THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: X DUST D
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 2	1009504	1718	02/01/2019
INVOICE NUMBER			
92902059			

FEB 11 2019

Pratt (620) 672-1201
 B K3 OIL & GAS
 L 24900 PITKIN RD, SUITE 305
 L THE WOODLANDS
 TX US 77386
 O ATTN: SELIGMAN

J LEASE NAME BLOCKER 16-12
 O LOCATION
 B COUNTY SUMNER
 S STATE KS
 I JOB DESCRIPTION Frac Job-New Well
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
41158694	38749		Net - 30 days	03/03/2019	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 01/31/2019 to 01/31/2019</i>					
0041158694					
171817398A Frac Job-New Well 01/31/2019 PROFRAC 2000/1					
20/40 Mesh Brown		1,733.75	CWT	14.85	25,746.19
BES: C-Plexgel 907 LEB		348.00	GAL	11.55	4,019.40
BES: C-Plexcide P5		14.00	GAL	19.80	277.20
BES: C-Plexsurf 580 ME		82.00	GAL	20.46	1,677.72
BES: C-Plexbreak 134		90.00	GAL	7.59	683.10
BES: C-Plexgel Breaker 10L		11.00	GAL	44.88	493.68
BES: C-Plexbor 101		77.00	GAL	6.60	508.20
CIA-1 EP, high temp. Acid Inhibitor		4.00	GAL	36.96	147.84
BES: C-Ferriplex 66		20.00	GAL	9.90	198.00
2000 GALS 15% HCl Acid		1.00	GAL	1,485.00	1,485.00
Heavy Equipment Mileage		1,440.00	MI	1.92	2,764.80
Light Vehicle Mileage		200.00	MI	1.20	240.00
Proppant and Bulk Delivery Charges		10,404.00	MI	0.72	7,490.88
Pump Truck		5.00	HR	3,300.00	16,500.00
Blender		1.00	HR	660.00	660.00
Densimeter		1.00	HR	66.00	66.00
Hydration Unit		1.00	HR	660.00	660.00
Computerized Liquid Chemical Additive Un		1.00	HR	66.00	66.00
Generic Proppant Pump Charge		1,734.00	CWT	1.32	2,288.88
Sand Field Storage Unit		1.00	HR	66.00	66.00
Rental: 4" Frac Valve		1.00	EA	198.00	198.00
Treatment Van, (Computerized Data monito		1.00	HR	66.00	66.00
Service Supervisor		1.00	HR	33.00	33.00
Iron Truck		1.00	HR	66.00	66.00



PAGE	CUST NO	YARD #	INVOICE DATE
2 of 2	1009504	1718	02/01/2019
INVOICE NUMBER			
92902059			

Pratt (620) 672-1201
 B K3 OIL & GAS
 L 24900 PITKIN RD, SUITE 305
 L THE WOODLANDS
 TX US 77386
 T
 O ATTN: SELIGMAN

J LEASE NAME BLOCKER 16-12
 O LOCATION
 B COUNTY SUMNER
 S STATE KS
 I JOB DESCRIPTION Frac Job-New Well
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE
41158694	38749			Net - 30 days	03/03/2019
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Manifold Trailer		1.00	HR	165.00	165.00
Transport		4.00	HR	66.00	264.00
Locality _____ Well Name _____ G/L Account _____ Approval _____					

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	66,830.89
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	0.00
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	66,830.89
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



Field Ticket

Pratt Yard #1718
 PO Box 8613
 Pratt, KS 67124 (620) 672-1201

Customer:	K-3 Oil & Gas	Customer No:		Invoice No:	1718-17398A
Address:	0	AFE No:	-	P.O. No:	
City, State, Zip:	0	Job Type:	ProFrac 2000	Stage #	1
Service District:	Pratt, Kansas	Well Type:	Oil		
Well Name and No:	Blocker 16-12	County/Parish:	Sumner	State:	Kansas

Product Code	Invoice Code	Description	Unit of Measure	Quantity	List Price/Unit	Item Discount	Gross Amount	Net Amount
Products								
PB2040	PB2040	20-40 Mesh Brown	Cwt	1,733.75	\$45.00	67.00%	\$78,018.75	\$25,746.19
GA101	GA101	BES: C-Plexgel 907 LEB	Gal	348.00	\$35.00	67.00%	\$12,180.00	\$4,019.40
BIO102	BIO102	BES: C-Plexcide P5	Gal	14.00	\$60.00	67.00%	\$840.00	\$277.20
SF104	SF104	BES: C-Plexsurf 580 ME	Gal	82.00	\$62.00	67.00%	\$5,084.00	\$1,677.72
NE103	NE103	BES: C-Plexbreak 134	Gal	90.00	\$23.00	67.00%	\$2,070.00	\$683.10
BK102	BK102	BES: C-Plexgel Breaker 10L	Gal	11.00	\$136.00	67.00%	\$1,496.00	\$493.68
xl101	XL101	BES: C-Plexbor 101	Gal	77.00	\$20.00	67.00%	\$1,540.00	\$508.20
ACI104	ACI104	CIA-1 EP, high temp. Acid Inhibitor	Gal	4.00	\$112.00	67.00%	\$448.00	\$147.84
IC104	IC104	BES: C-Ferriplex 86	Gal	20.00	\$30.00	67.00%	\$600.00	\$198.00
HCL15	HCL15	15% HCl Acid	Gal	2,000.00	\$2.25	67.00%	\$4,500.00	\$1,485.00

Equipment and Services								
ME102	ME102	Heavy Equipment Mileage	Mi	1,440.00	\$8.00	76.00%	\$11,520.00	\$2,764.80
ME101	ME101	Light Vehicle Mileage	MI	200.00	\$5.00	76.00%	\$1,000.00	\$240.00
DC104	DC104	Proppant and Bulk Delivery Charges	Tn/MI	10,404.00	\$3.00	76.00%	\$31,212.00	\$7,490.88
BE100	BE100	Pump Truck	hr	5.00	\$10,000.00	67.00%	\$50,000.00	\$16,500.00
BE105	BE105	Blender	hr	1.00	\$2,000.00	67.00%	\$2,000.00	\$660.00
BE125	BE125	Densimeter	hr	1.00	\$200.00	67.00%	\$200.00	\$66.00
BE104	BE104	Hydration Unit	hr	1.00	\$2,000.00	67.00%	\$2,000.00	\$660.00
BE119	BE119	Computerized Liquid Chemical Additive Unit	hr	1.00	\$200.00	67.00%	\$200.00	\$66.00
ME134	ME134	Generic Proppant Pump Charge	Cwt	1,734.00	\$4.00	67.00%	\$6,936.00	\$2,288.88
BE111	BE111	Sand Field Storage Unit	hr	1.00	\$200.00	67.00%	\$200.00	\$66.00
ME106	ME106	Rental: 4" Frac Valve	Job	1.00	\$600.00	67.00%	\$600.00	\$198.00
BE132	BE132	Treatment Van, (Computerized Data monitor	hr	1.00	\$200.00	67.00%	\$200.00	\$66.00
BE129	BE129	Service Supervisor	hr	1.00	\$100.00	67.00%	\$100.00	\$33.00
BE113	BE113	Iron Truck	hr	1.00	\$200.00	67.00%	\$200.00	\$66.00
BE121	BE121	Manifold Trailer	hr	1.00	\$500.00	67.00%	\$500.00	\$165.00
BE141	BE141	Transport	hr	4.00	\$200.00	67.00%	\$800.00	\$264.00

TERMS: Cash in advance unless Basic Energy Services has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts may pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws if such laws limit interest to a lesser amount. In the event it is necessary to employ an agency and/or attorney to affect the collection of said account, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with BES becomes delinquent, BES has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become immediately due and owing and subject to collection.	Gross Amount	\$214,444.75
	Net Amount	\$66,830.89

SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS (INCLUDING INDEMNIFICATION OBLIGATIONS) LISTED HERE OR IN THE CUSTOMER CONTRACT FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.

Customer Representative: **John Regis**
 Basic Representative: **Scott Graves**
 Date of Service: **January 31, 2019**

Customer Comments or Concerns: *[Signature]*
 All applicable Federal, State and Local Taxes will be added to final invoice. *[Signature]*



Treatment Report

Customer:	K-3 Oil & Gas	District:	Pratt, Kansas	Job #	1718-17398A ZBZ
Date:	1/31/2019	API #		Formation	Mississippi
Lease/Well Name:	Blocker 16-12	Well Type:	Oil	Field	
County, State:	Sumner, Kansas	Job Type:	ProFrac 2000	Stage #	1

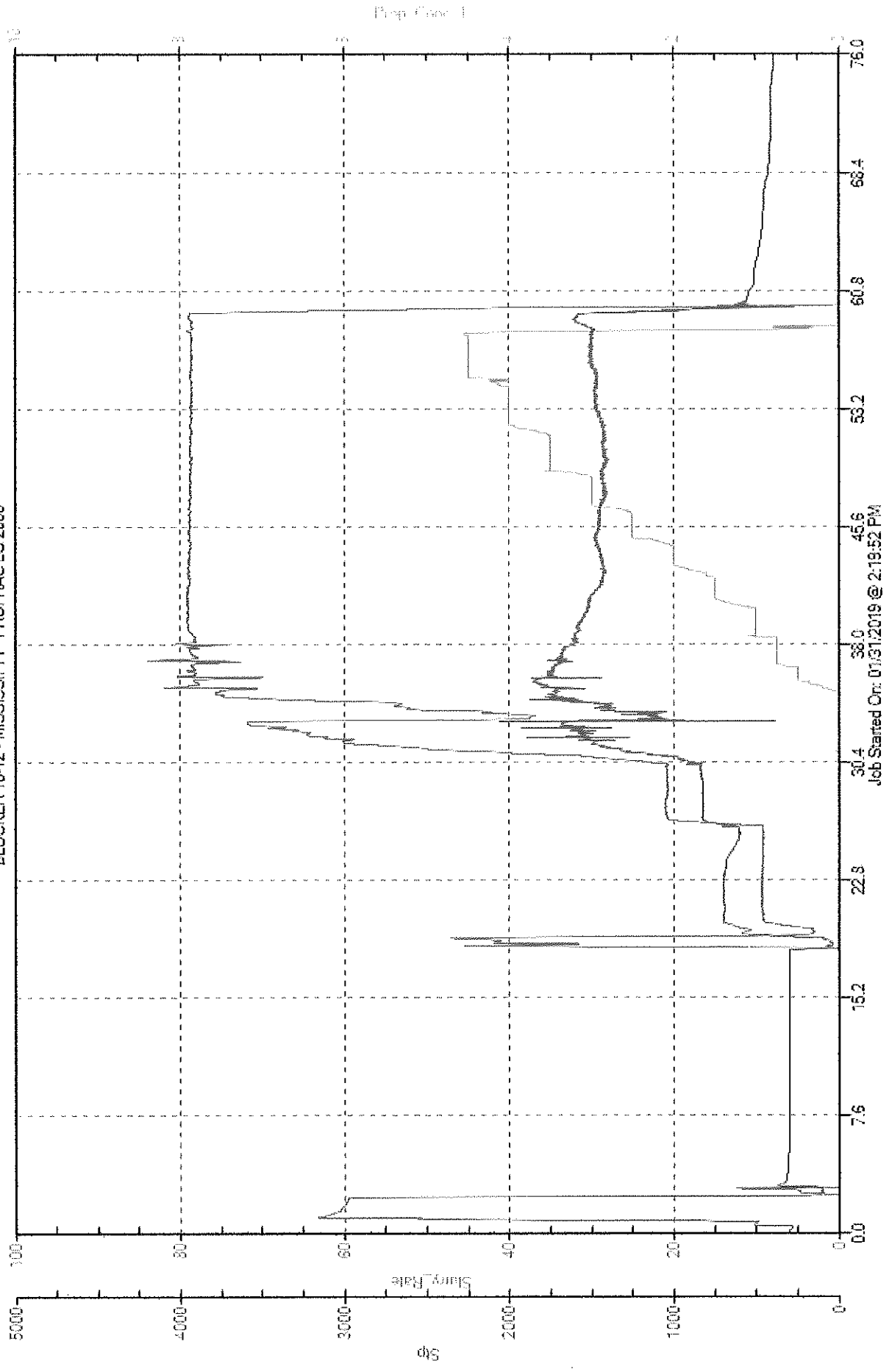
Well Data				Set From	Set To	Capacities			Totals		
Casing Size	5.50" 15.50#	BBL/FT	0.0238	0 ft	3,925 ft	Casing bbls	93 bbls	Clean	2,165 bbls		
Casing Size		BBL/FT				Tubing bbls		Slurry	2,365 bbls		
Tubing Size		BBL/FT				Flush Volume gals	3,423 gals	Proppant	172,945 lbs		
Tubing Size		BBL/FT				Flush Volume bbls	81 bbls				
# of Perfs:	90	Perf Size:	0.40 in	Interval @	3,424 ft	3,454 ft					

Job Details				
Stage Name	Slurry BBLs	Stage Name	Slurry BBLs	Total
				START ACID
				0 lbs
				START PRE PAD
				0 lbs
				ACID ON BOTTOM
				0 lbs
				START PAD
				0 lbs
				START .5#
				0 lbs

ISIP	727	Min	Max	Average	Pumps on Location	6	Time	
5 Min	477	Treating Pressure	1,419 psi	1,844 psi	1,632 psi	Fluid Ends Lost	0	
10 Min	419	Treating Rate	75 psi	79 psi	78 psi	Basic Energy Service Rep:		
15 Min	401	Frac Gradient	0.64 psi/ft		Customer Rep:			

Treatment Data											
Time (Military)	STP	Rate	Clean BBLs		Slurry BBLs		Proppant lbs		Stage Name	Proppant	PPG
			Stage	Total	Stage	Total	Stage	Total			
2:10										Safety Meeting	
2:21	3,130 psi									Test Lines	
2:45	64 psi	45.0								START PRE PAD	
2:46	692 psi	9.0				36				START ACID	
2:51	826 psi	21.0				84				START PRE PAD	
2:53	820 psi	21.0				118				ACID ON BOTTOM	
2:57	1,501 psi	60.0				203				START PAD	
3:00	1,844 psi	77.0				405				START .5#	
3:01	1,720 psi	78.0				487				.5# ON BOTTOM	
3:03	1,628 psi	75.0				551				START .75#	
3:03	1,664 psi	79.0				633				.75#	
3:04	1,594 psi	79.0				699				ON BOTTOM	
3:05	1,541 psi	79.0				781				START 1#	
3:06	1,512 psi	79.0				848				1# ON BOTTOM	
3:07	1,460 psi	79.0				930				START 1.5#	
3:08	1,425 psi	79.0				1,001				1.5# ON BOTTOM	
3:09	1,437 psi	79.0				1,083				START 2#	
3:10	1,460 psi	79.0				1,157				2# ON BOTTOM	
3:11	1,454 psi	79.0				1,239				START 2.5#	
3:12	1,448 psi	79.0				1,316				2.5# ON BOTTOM	
3:13	1,419 psi	79.0				1,398				START 3#	
3:15	1,425 psi	79.0				1,512				3# ON BOOTM	
3:06	1,414 psi	79.0				1,594				START 3.5#	
3:19	1,431 psi	79.0				1,712				3.5# ON BOTTOM	
3:18	1,437 psi	79.0				1,794				START 4#	
3:20	1,466 psi	79.0				1,951				4# ON BOTTOM	
8:53	1,482 psi	79.0				2,033				START 4.5#	
3:24	1,588 psi	79.0				2,284				4.5# ON BOTTOM	
3:25	727 psi	0.0				2,365				SHUT DOWN	
3:30	477 psi									5 MINS	
3:35	419 psi									10 MINS	
3:40	401 psi									15 MINS	

K-3 OIL AND GAS
BLOCKER 16-12 - MISSISSIPPI - PROFRAC LG 2000





RECEIVED
DEC 05 2018

PAGE 1 of 1	CUST NO 1009504	YARD # 1718	INVOICE DATE 11/30/2018
INVOICE NUMBER 92859181			

Pratt (620) 672-1201
 B K3 OIL & GAS
 I 24900 PITKIN RD, SUITE 305
 L THE WOODLANDS
 L TX US 77386
 T
 O ATTN: SELIGMAN

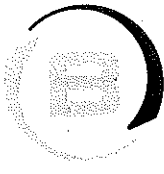
J LEASE NAME Blocker 16-12
 O LOCATION
 B COUNTY Sumner
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41147465	86779		Net - 30 days	12/30/2018

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 11/29/2018 to 11/29/2018</i>				
0041147465				
171817541A Cement-New Well Casing/Pi 11/29/2018				
5 1/2" Production Casing				
50/50 POZ	250.00	EA	6.27	1,567.50 T
50/50 POZ	30.00	EA	6.27	188.10 T
71 Lbs - Celloflake	1.00	EA	149.74	149.74 T
C-41P	118.00	EA	2.28	269.04 T
1361 Lbs - Salt	1.00	EA	387.89	387.89 T
1,180 Lbs - Gypsum	1.00	EA	504.45	504.45 T
C-17	95.00	LB	11.40	1,083.00 T
1,403 Lbs. - Gilsomite	1.00	LB	535.81	535.81 T
Auto Fill Float Shoe 5 1/2" (Blue)	1.00	EA	205.20	205.20
Latch Down Plug & Baffle, 5 1/2" (Blue)	1.00	EA	228.00	228.00
5 1/2" Basket (Blue)	1.00	EA	165.30	165.30
Turbolizer, 5 1/2" (Blue)	10.00	EA	62.70	627.00
500 Gals. - Mud Flush	1.00	GAL	427.50	427.50 T
Claymax KCL Substitute	2.00	EA	19.95	39.90 T
100 Miles/ Unit Mileage Chg	1.00	MI	256.50	256.50
200 Miles/Heavy Equip. Mileage	1.00	MI	855.00	855.00
1,180 Tn/M - Proppant & Bulk Del. Chgs	1.00	EA	1,681.49	1,681.49
Depth Charge; 3001-4000'	1.00	EA	1,231.20	1,231.20
280 Sks Blending & Mixing Service Charge	1.00	BAG	223.44	223.44
Plug Container Util. Chg.	1.00	EA	142.50	142.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	99.75	99.75

~~Company~~
~~Well Name~~
~~W. ACCOUNT~~
~~REMOVE~~

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	10,868.31
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	386.47
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	11,254.78
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

Tmt 53

FIELD SERVICE TICKET
1718 17541 A

DATE _____ TICKET NO. _____

DATE OF JOB: 11-29-18	DISTRICT: Pratt Kansas	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: K Soil & Gas operating CO.		LEASE: Blocker					WELL NO: 1612			
ADDRESS:		COUNTY: Sumner			STATE: Kansas					
CITY:		SERVICE CREW: Egan's, Mike, David								
AUTHORIZED BY:		JOB TYPE: 5 1/2 Production casing 2-42								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
86779	2						11-28-18			1700
73768	2									2030
						START OPERATION	11-29-18			0530
						FINISH OPERATION				0700
						RELEASED				0730
						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: Jeff Crawford BCS
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT						
CP104	50/50 P02	SK	250		2750 00						
CP104	50/50 P02	SK	30		330 00						
CC102	celloFlake	lb	71		262 70						
CC105	C-41P	lb	118		472 00						
CC111	salt	lb	1361		640 50						
CC113	Gypsum	lb	1180		545 00						
CC148	C-17	lb	95		1900 00						
4201	Gilsonite	lb	1403		940 01						
CF1251	Auto Fill Float shoe 5 1/2" (Blue)	EA	1		360 00						
CF607	5 1/2" latchdown Plug + Baffle (Blue)	EA	1		400 00						
CF1901	5 1/2" Basket (Blue)	EA	1		290 00						
CF1651	5 1/2" Turbolizer (Blue)	EA	10		1100 00						
CC151	Mud Flush	gal	500		750 00						
C204	claymax KCC substitute	gal	2		70 00						
E100	Pickup mileage	mi	100		450 00						
E101	Heavy equipment mileage	mi	200		1500 00						
E113	Bulk delivery charge Per ton mile	Tons	1180		2950 00						
CF204	Depth charge 300'-4000'	Yr	1		2160 00						
CF240	Bleeding & mixer service charge	SK	280		9292 00						
CF504	Plug container utilization charge	Sub	1		250 00						
					SUB-TOTAL	250 00					
CHEMICAL / ACID DATA:					5003 service supervisor	EA	1			175 00	
					SERVICE & EQUIPMENT	% TAX ON \$	subtotal			19067 21	
					MATERIALS	% TAX ON \$					
					Discount					TOTAL	10868 31
										JWJ	

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

FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 17541 A

DATE _____ TICKET NO. _____

DATE OF JOB		DISTRICT		NEW WELL <input type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER		LEASE		WELL NO.						
ADDRESS		COUNTY		STATE						
CITY		STATE		SERVICE CREW						
AUTHORIZED BY		JOB TYPE:								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
						ARRIVED AT JOB				
						START OPERATION				
						FINISH OPERATION				
						RELEASED				
						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: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
01001	5/8" x 1/2" pipe	CC	250		250.00
01002	3/4" x 3/4" pipe	SR	200		200.00
01003	1/2" x 1/2" pipe	LB	100		100.00
01004	1/4" x 1/4" pipe	LB	100		100.00
01005	1/2" x 1/2" pipe	LB	100		100.00
01006	3/4" x 3/4" pipe	LB	100		100.00
01007	1" x 1" pipe	LB	100		100.00
01008	1 1/2" x 1 1/2" pipe	LB	100		100.00
01009	2" x 2" pipe	LB	100		100.00
01010	2 1/2" x 2 1/2" pipe	LB	100		100.00
01011	3" x 3" pipe	LB	100		100.00
01012	3 1/2" x 3 1/2" pipe	LB	100		100.00
01013	4" x 4" pipe	LB	100		100.00
01014	4 1/2" x 4 1/2" pipe	LB	100		100.00
01015	5" x 5" pipe	LB	100		100.00
01016	5 1/2" x 5 1/2" pipe	LB	100		100.00
01017	6" x 6" pipe	LB	100		100.00
01018	6 1/2" x 6 1/2" pipe	LB	100		100.00
01019	7" x 7" pipe	LB	100		100.00
01020	7 1/2" x 7 1/2" pipe	LB	100		100.00
01021	8" x 8" pipe	LB	100		100.00
01022	8 1/2" x 8 1/2" pipe	LB	100		100.00
01023	9" x 9" pipe	LB	100		100.00
01024	9 1/2" x 9 1/2" pipe	LB	100		100.00
01025	10" x 10" pipe	LB	100		100.00
01026	10 1/2" x 10 1/2" pipe	LB	100		100.00
01027	11" x 11" pipe	LB	100		100.00
01028	11 1/2" x 11 1/2" pipe	LB	100		100.00
01029	12" x 12" pipe	LB	100		100.00
01030	12 1/2" x 12 1/2" pipe	LB	100		100.00
01031	13" x 13" pipe	LB	100		100.00
01032	13 1/2" x 13 1/2" pipe	LB	100		100.00
01033	14" x 14" pipe	LB	100		100.00
01034	14 1/2" x 14 1/2" pipe	LB	100		100.00
01035	15" x 15" pipe	LB	100		100.00
01036	15 1/2" x 15 1/2" pipe	LB	100		100.00
01037	16" x 16" pipe	LB	100		100.00
01038	16 1/2" x 16 1/2" pipe	LB	100		100.00
01039	17" x 17" pipe	LB	100		100.00
01040	17 1/2" x 17 1/2" pipe	LB	100		100.00
01041	18" x 18" pipe	LB	100		100.00
01042	18 1/2" x 18 1/2" pipe	LB	100		100.00
01043	19" x 19" pipe	LB	100		100.00
01044	19 1/2" x 19 1/2" pipe	LB	100		100.00
01045	20" x 20" pipe	LB	100		100.00
01046	20 1/2" x 20 1/2" pipe	LB	100		100.00
01047	21" x 21" pipe	LB	100		100.00
01048	21 1/2" x 21 1/2" pipe	LB	100		100.00
01049	22" x 22" pipe	LB	100		100.00
01050	22 1/2" x 22 1/2" pipe	LB	100		100.00
01051	23" x 23" pipe	LB	100		100.00
01052	23 1/2" x 23 1/2" pipe	LB	100		100.00
01053	24" x 24" pipe	LB	100		100.00
01054	24 1/2" x 24 1/2" pipe	LB	100		100.00
01055	25" x 25" pipe	LB	100		100.00
01056	25 1/2" x 25 1/2" pipe	LB	100		100.00
01057	26" x 26" pipe	LB	100		100.00
01058	26 1/2" x 26 1/2" pipe	LB	100		100.00
01059	27" x 27" pipe	LB	100		100.00
01060	27 1/2" x 27 1/2" pipe	LB	100		100.00
01061	28" x 28" pipe	LB	100		100.00
01062	28 1/2" x 28 1/2" pipe	LB	100		100.00
01063	29" x 29" pipe	LB	100		100.00
01064	29 1/2" x 29 1/2" pipe	LB	100		100.00
01065	30" x 30" pipe	LB	100		100.00
01066	30 1/2" x 30 1/2" pipe	LB	100		100.00
01067	31" x 31" pipe	LB	100		100.00
01068	31 1/2" x 31 1/2" pipe	LB	100		100.00
01069	32" x 32" pipe	LB	100		100.00
01070	32 1/2" x 32 1/2" pipe	LB	100		100.00
01071	33" x 33" pipe	LB	100		100.00
01072	33 1/2" x 33 1/2" pipe	LB	100		100.00
01073	34" x 34" pipe	LB	100		100.00
01074	34 1/2" x 34 1/2" pipe	LB	100		100.00
01075	35" x 35" pipe	LB	100		100.00
01076	35 1/2" x 35 1/2" pipe	LB	100		100.00
01077	36" x 36" pipe	LB	100		100.00
01078	36 1/2" x 36 1/2" pipe	LB	100		100.00
01079	37" x 37" pipe	LB	100		100.00
01080	37 1/2" x 37 1/2" pipe	LB	100		100.00
01081	38" x 38" pipe	LB	100		100.00
01082	38 1/2" x 38 1/2" pipe	LB	100		100.00
01083	39" x 39" pipe	LB	100		100.00
01084	39 1/2" x 39 1/2" pipe	LB	100		100.00
01085	40" x 40" pipe	LB	100		100.00
01086	40 1/2" x 40 1/2" pipe	LB	100		100.00
01087	41" x 41" pipe	LB	100		100.00
01088	41 1/2" x 41 1/2" pipe	LB	100		100.00
01089	42" x 42" pipe	LB	100		100.00
01090	42 1/2" x 42 1/2" pipe	LB	100		100.00
01091	43" x 43" pipe	LB	100		100.00
01092	43 1/2" x 43 1/2" pipe	LB	100		100.00
01093	44" x 44" pipe	LB	100		100.00
01094	44 1/2" x 44 1/2" pipe	LB	100		100.00
01095	45" x 45" pipe	LB	100		100.00
01096	45 1/2" x 45 1/2" pipe	LB	100		100.00
01097	46" x 46" pipe	LB	100		100.00
01098	46 1/2" x 46 1/2" pipe	LB	100		100.00
01099	47" x 47" pipe	LB	100		100.00
01100	47 1/2" x 47 1/2" pipe	LB	100		100.00
01101	48" x 48" pipe	LB	100		100.00
01102	48 1/2" x 48 1/2" pipe	LB	100		100.00
01103	49" x 49" pipe	LB	100		100.00
01104	49 1/2" x 49 1/2" pipe	LB	100		100.00
01105	50" x 50" pipe	LB	100		100.00
01106	50 1/2" x 50 1/2" pipe	LB	100		100.00
01107	51" x 51" pipe	LB	100		100.00
01108	51 1/2" x 51 1/2" pipe	LB	100		100.00
01109	52" x 52" pipe	LB	100		100.00
01110	52 1/2" x 52 1/2" pipe	LB	100		100.00
01111	53" x 53" pipe	LB	100		100.00
01112	53 1/2" x 53 1/2" pipe	LB	100		100.00
01113	54" x 54" pipe	LB	100		100.00
01114	54 1/2" x 54 1/2" pipe	LB	100		100.00
01115	55" x 55" pipe	LB	100		100.00
01116	55 1/2" x 55 1/2" pipe	LB	100		100.00
01117	56" x 56" pipe	LB	100		100.00
01118	56 1/2" x 56 1/2" pipe	LB	100		100.00
01119	57" x 57" pipe	LB	100		100.00
01120	57 1/2" x 57 1/2" pipe	LB	100		100.00
01121	58" x 58" pipe	LB	100		100.00
01122	58 1/2" x 58 1/2" pipe	LB	100		100.00
01123	59" x 59" pipe	LB	100		100.00
01124	59 1/2" x 59 1/2" pipe	LB	100		100.00
01125	60" x 60" pipe	LB	100		100.00
01126	60 1/2" x 60 1/2" pipe	LB	100		100.00
01127	61" x 61" pipe	LB	100		100.00
01128	61 1/2" x 61 1/2" pipe	LB	100		100.00
01129	62" x 62" pipe	LB	100		100.00
01130	62 1/2" x 62 1/2" pipe	LB	100		100.00
01131	63" x 63" pipe	LB	100		100.00
01132	63 1/2" x 63 1/2" pipe	LB	100		100.00
01133	64" x 64" pipe	LB	100		100.00
01134	64 1/2" x 64 1/2" pipe	LB	100		100.00
01135	65" x 65" pipe	LB	100		100.00
01136	65 1/2" x 65 1/2" pipe	LB	100		100.00
01137	66" x 66" pipe	LB	100		100.00
01138	66 1/2" x 66 1/2" pipe	LB	100		100.00
01139	67" x 67" pipe	LB	100		100.00
01140	67 1/2" x 67 1/2" pipe	LB	100		100.00
01141	68" x 68" pipe	LB	100		100.00
01142	68 1/2" x 68 1/2" pipe	LB	100		100.00
01143	69" x 69" pipe	LB	100		100.00
01144	69 1/2" x 69 1/2" pipe	LB	100		100.00
01145	70" x 70" pipe	LB	100		100.00
01146	70 1/2" x 70 1/2" pipe	LB	100		100.00
01147	71" x 71" pipe	LB	100		100.00
01148	71 1/2" x 71 1/2" pipe	LB	100		100.00
01149	72" x 72" pipe	LB	100		100.00
01150	72 1/2" x 72 1/2" pipe	LB	100		100.00
01151	73" x 73" pipe	LB	100		100.00
01152	73 1/2" x 73 1/2" pipe	LB	100		100.00
01153	74" x 74" pipe	LB	100		100.00
01154	74 1/2" x 74 1/2" pipe	LB	100		100.00
01155	75" x 75" pipe	LB	100		100.00
01156	75 1/2" x 75 1/2" pipe	LB	100		100.00
01157	76" x 76" pipe	LB	100		100.00
01158	76 1/2" x 76 1/2" pipe	LB	100		100.00
01159	77" x 77" pipe	LB	100		100.00
01160	77 1/2" x 77 1/2" pipe	LB	100		100.00
01161	78" x 78" pipe	LB	100		100.00
01162	78 1/2" x 78 1/2" pipe	LB	100		100.00
01163	79" x 79" pipe	LB	100		100.00
01164	79 1/2" x 79 1/2" pipe	LB	100		100.00
01165	80" x 80" pipe	LB	100		100.00
01166	80 1/2" x 80 1/2" pipe	LB	100		100.00
01167	81" x 81" pipe	LB	100		100.00
01168	81 1/2" x 81 1/2" pipe	LB	100		100.00
01169	82" x 82" pipe	LB	100		100.00
01170	82 1/2" x 82 1/2" pipe	LB	100		100.00
01171	83" x 83" pipe	LB	100		100.00
01172	83 1/2" x 83 1/2" pipe	LB	100		100.00
01173	84" x 84" pipe	LB	100		100.00
01174	84 1/2" x 84 1/2" pipe	LB	100		100.00
01175	85" x 85" pipe	LB	100		100.00
01176	85 1/2" x 85 1/2" pipe	LB	100		100.00
01177	86" x 86" pipe	LB	100		100.00
01178	86 1/2" x 86 1/2" pipe	LB	100		100.00
01179	87" x 87" pipe	LB	100		100.00
01180	87 1/				

BASIC

energy services, L.P.

TREATMENT REPORT

Customer	K3 oil & Gas op co.	Lease No.		Date	11-29-18
Lease	Block 6	Well #	16-12		
Field Order #	17341	Station	Post Kansas 1718	Casing	5 1/2
				Depth	3626.6
Type Job	5 1/2 production casing 2-42			County	Sumner
				State	KC
				Formation	
				Legal Description	12-333-01E

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2				Pre Pad	Max		5 Min.	
Depth 3626.6	Depth	From	To	Pad	Min		10 Min.	
Volume 86.3	Volume	From	To	Frac	Avg		15 Min.	
Max Press 2360psi	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection 8" J	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth	Packer Depth	From	To					

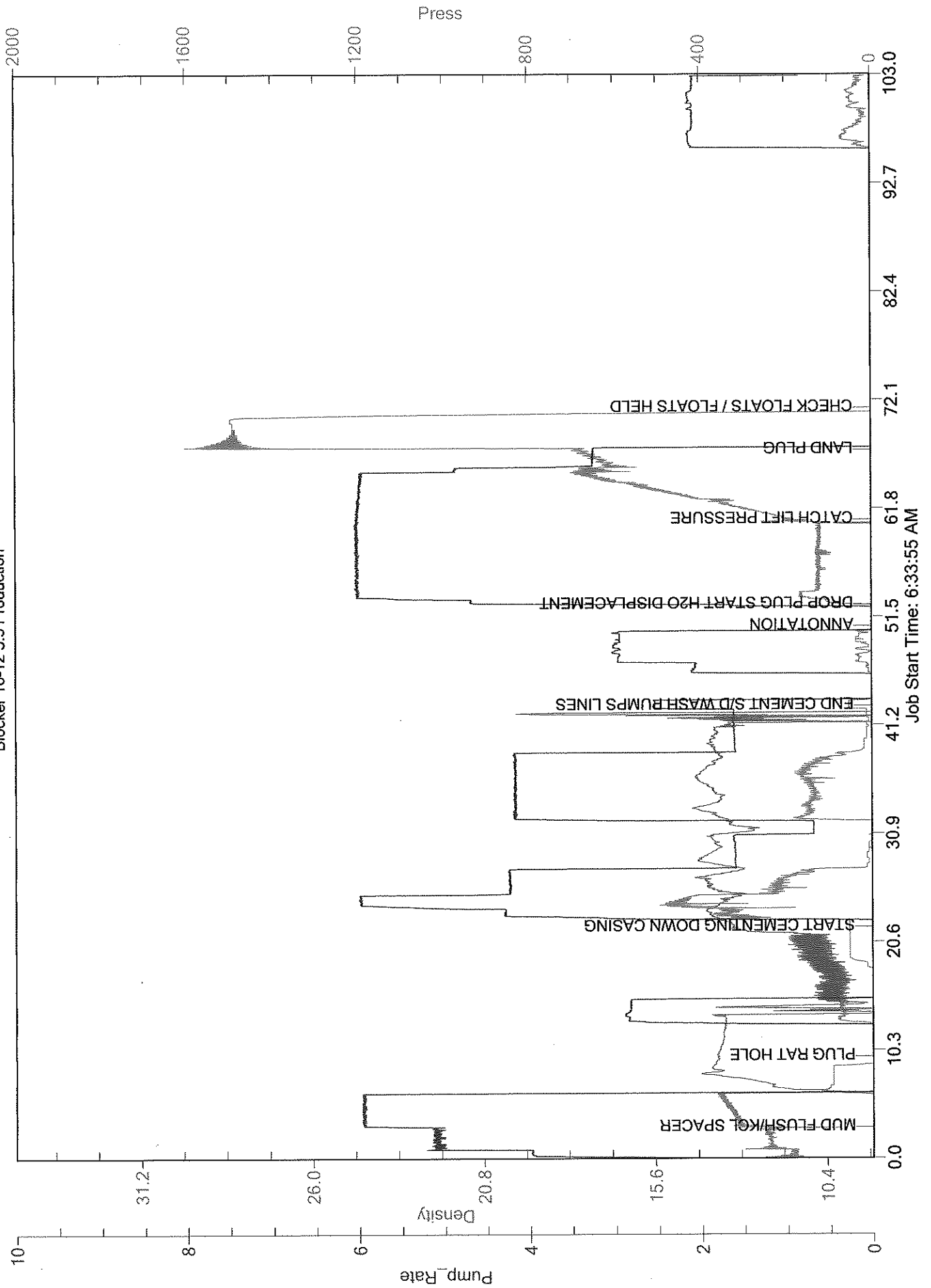
Customer Representative	JEFF CRAWFORD	Station Manager	JUSTIN WESTERMAN	Treater	FERRIS STUBBS
-------------------------	---------------	-----------------	------------------	---------	---------------

Service Units	78868	77686	86779	70959	73706				
Driver Names	FERRIS	MIKE	MIKE	DAVID	DAVID				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2100					Arrive on location/safety meeting
2130					Rig up equipment
					Ann Total pipe PAN-3626.61' shoe-42.43'
	11-29-18				67 BTS, Basket-3T-1, Turbulizers
	✓				3TS-1, 3, 5, 7, 9, 11, 13, 15, 17, 19
0422	450				Drop ball/Blow seat
0530	300		12	6	Pump mud flush
0535	300		20	6	Pump 1000 H2O spots
0545	60		7.5	2	Plug set hole 3633 50/50 pot
0552	200			4	Start mixing 50/50 pot @ 14.2 pot/casing
0612	180		31	4	1253 50/50 pot away @ 14.2 pot
0620	130		62	3	2503 50/50 pot away @ 14.2 pot S/D
0621					Wash pumps & lines
0625	130			6	Drop ball, start H2O displacement
0633	250		48	6	caught 1.5 ft pressure
0637	650		75	3	slow toward plug
0639	1500		85.3	3	Land plug
0644					check floats/float shoes = 25 BBL back
0730					Rig down/leave location
					Final lift-6500psi
					Hoc-1974.11' Toc-1652.50'

K3 Oil and Gas Operating co.

Blocker 16-12 5.5 Production





REMIT TO

QES Pressure Pumping LLC
 Dept:970
 P.O.Box 4346
 Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884
 Chanute,KS 66720
 620/431-9210,1-800/467-8676
 Fax 620/431-0012

Invoice

Invoice# 900604

Invoice Date: 03/25/19

Terms: Net 30

Page 1

K3 OIL & GAS OPERATING COMPANY

24900 Pitkin Road, Ste. 305
 The Woodlands TX 77386
 USA
 833-813-8558

BLOCKER 16-12

Part No	Description	Quantity	Discounted Unit Price	Discounted Total
CE0452	Cement Pump Charge 3001' - 4000'	1.000	1,610.0000	1,610.00
CE0002	Equipment Mileage Charge - Heavy Equipment	70.000	5.0050	350.35
CE0711	Minimum Cement Delivery Charge	1.000	462.0000	462.00
CE0001	Equipment Mileage Charge - Light Equipment	70.000	2.1000	147.00
CE1163	Squeeze Manifold	1.000	280.0000	280.00
CC5800A	Class A Cement - Sack	50.000	14.0000	700.00
CC6000	CD-1, Cement Dispersant/Friction Reducer	15.000	5.4950	82.43
CC6028	CFL-4, Dispersing Fluid Loss Additive	15.000	9.2750	139.13
SubTotal After Discount				3,770.91

Tax: 69.12

Total: 3,840.03

Company _____

Amount Due 5,485.74 If paid after 04/24/19

Well Name _____

G/L Account _____

Approval _____



PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

Ron McCullough
3.20.19

100284
40483

TICKET NUMBER 54412
LOCATION Ch Dorado, KS
FOREMAN Fuzz4

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 900604
KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3.20.19	4462	Blocker 16-12	12	335	16	Sumner
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
K3 Oil & Gas Operating Co.			446	Jud		
MAILING ADDRESS			775	Co4		
24900 Pitkin Rd suite 305			557	Fuzz4		
CITY		STATE	ZIP CODE			
The Woodlands		Tx	77386			

JOB TYPE retainer - squeeze HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 5 1/2 - 15.5
 CASING DEPTH _____ DRILL PIPE _____ TUBING 2 7/8 OTHER Peris 3424.54
 SLURRY WEIGHT 14.7 SLURRY VOL 10.5 WATER gal/sk _____ CEMENT LEFT in CASING Squeeze holes 3544
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE retainer 3520

REMARKS: Safety meeting on Allforce well service. Rig up long tbg with 4 BBL water string into retainer and take low rate. After breaking it down achieved 3/4 BBL min @ 1800#. Mix 50% class 'A' with 3/10's of 170 friction reducer (CD-1) and 3/10's of 170 fluid loss (CFL-4) Displace tbg with 12 BBL water. Pressure @ 2500#. String out of retainer and pump 15 BBL to clear tbg. 8 1/2 BBL cement and 6 1/2 BBL water. Pull all tbg.
 Job complete

Thanks Fuzz4 & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
660452	1	PUMP CHARGE	2300.00	2300.00
66002	70 miles	MILEAGE	7.14	500.00
660711	2.4 ton	Ton mileage delivery (min)	660.00	660.00
660001	70	PU mileage	3.00	210.00
66163	1	squeeze manifold	400.00	400.00
66900A	50% Ks	Class 'A'	20.00	1000.00
661000	15#	CD-1 (friction reducer)	7.85	117.75
66028	15#	CFL-4 (fluid loss)	13.25	198.75
		subtotal		5387.00
		disc 25%		1616.10
		subtotal		3770.90
SCANNED				
		SALES TAX		69.12
		ESTIMATED TOTAL		3840.03

Ravin 3737

AUTHORIZATION JEFF CRAWFORD BCS TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

Brett's Consulting Service

Completions – Workovers – General Systems Setup

Brett Hildebrand 1104 Nixon Dr. Norton, Ks. 67654
Cell. - 785- 871- 7311
Office: 785- 877- 5331

Directions: Wellington & Hwy. 160, 4 E. to Oliver Rd., 5.5 S., E. into

11/29/18

Blocker #16-12 - Figured pipe tally - called welder & had to cut out BOP nipple, 4.5 hr. delay - WW Drilling Rig #4 ran 87 jts. new MW 55,LS 5 1/2", 15.5# csg. - RTD = 3925', LTD = 3923' - landed guide shoe @3626' w/ insert @3584' - circ. f/ 1 hr. w/ good circ. - RU Basic Energy & pumped 500 gal. mud flush & 20 bbl. KCL flush - plug rat hole w/ 30 sxs. - mixed & pumped 250 sxs. 50/50 poz., 2% gel, 10% salt, 5# gilsonite - start plug & displaced w/ 85 bbl. - landed plug @6:40 a.m. w/ 1500#, 800# lift & held - RD Basic, landed in slips & released rig.

RTD: 3925', LTD: 3923', 5' KB

Csg: 5 1/2", 15.5# MW- 55 set @3626' w/ 250 sxs. 50/50 poz. 10% salt, 5# gilsonite & 2% gel.

Guide Shoe: 3626', Shoe Jt. = 42.12' w/ insert @35.84'

Turbolizers: 3585', 3500', 3415', 3332', 3227', 3142', 3057', 2887', & 2802'

Basket: 3626'

12/19/18

Blocker #16-12 - Gusher Oilfield Serv. press. tested welded collar to 1500# & held - RU Excel Wireline to run CBL & CCL off portable mast - LTD @3569', TOC @2150' - bond log showed spotty cement @3376-3412', had good cement f/ 3330-74', perf interval will be 3424-54' - called & discussed w/ John Rigas & opted not to block squeeze - RD Excel - 2 hrs. later MIRU Alliance Well Serv. - RU csg. swab & swabbed dwn. to 2400' FS - SDON. Est. cost = \$7,200

12/20/18

Blocker #16-12 - RU Excel Wireline to perf. Miss. @3424-54', 4" HEC @ 4spf w/ 39 gr. charges through lubricator - RD loggers - TIH w/ PKR & set @3387' - RU swab & equip. - ran swab FL @2,000' FS, swab dry in 3 runs rec. 10 BTF w/ tr. of oil - let set 1 hr. & had 200' FIH w/ muddy wtr. w/ tr. of oil - let set 2nd hr. & had 200' FIH w/ mud cut oil - SDON. 2 day est. cost = \$19,900

12/21/18

Blocker #16-12 - Miss. 3424-54', PKR @3387' - tbg. press. = 120#, FL @2,000' FS, 1387' FIH w/ 1100' oil on top = 79% oil - RU Pro Stim to spot w/ 9.75 bbl. - let equal. & set PKR to treat w/ 1,000 gal. 15% MCA w/ extra clastay - acid on bttm. = loaded perfect, acid on perfs. - staged to 500# w/ GBO - w/ 1 out = incr. to 900# & started feeding @ 1/2 BPM, 600# - w/ 4 out = 1 BPM, 400# - w/ 6 out = 2 BPM, 450# - w/ 8 out = 2.5 BPM, 500# - w/ 12 out = 3 BPM, 600# - w/ 20 out = 4 BPM, 700# - w/ 24 out = 4 BPM, 600# - overflushed w/ 1 bbl. - ISIP = 350#, 5 min. = 40#, 11 min. = 0, 11.5 min. = vac. - let set f/ 30 min., ran swab FL @150' FS - swabbed dwn. to 100' FIH, rec. 23.38 of 46.25 load w/ all water - start test:

1st hr. @ 1pph rec. 2.50 BTF, 600' FIH w/ 50% oil

2nd hr. @3pph rec. 3.34 BTF, 200' FIH w/ 45% oil & mud

3rd hr. @3pph rec. 3.34 BTF, 200' FIH w/ 40% oil & mud - rec. total of 35 bbl. - cleared acid off ann., reset PKR & made run off SN - SDOHW.

Midwest moved in 4 of 6 frac. tanks 3 day est. cost = \$27,600

12/26/18

Blocker #16-12 - Miss. 3424-54', PKR @3387' - tbg. press. = 100#, ran swab FL @1500' FS, 1870' FIH w/ 700' oil on top = 37% oil - swab dwn. to 100' FIH rec. 15 BTF, 2 day total of 50 BTF, 3.75 bbl. over load - start test:

1 hr. @3pph rec. 2.5 BTF, 200' FIH w/ 40% oil - had to shut dwn. due to heavy rain - SD until freeze up. 4 day est. cost = \$31,800

12/28/18

Blocker #16-12 - Miss. 3424-54', PKR @3387' - tbg. press. = 120#, ran swab FL @1500' FS, 1887' FIH w/ 950' oil on top = 50% oil - RD swab equip. - TOH w/ PKR laying dwn. - broke off working head & valves - shut in well w/ swage & valve - loaded well head equip. - RDMO & pulled out w/ dozer. 5 day est. cost = \$37,500

1/31/19

Blocker #16-12 - Basic Energy Servs. on location & set up f/ frac. on Miss. 3424-54' - pumped 36 bbl. pre pad, 48 bbl. 15% NE acid, followed by 118 bbl. pre pad - acid on bttm. = 21 BPM, 820#, finished w/ 21 BPM, 860# - pumped:

.5# 20/40 mesh @79 BPM, 1720#

.75# @79 BPM, 1594#

1.0# @79 BPM, 1512#

1.5# @79 BPM, 1460#

2.0# @79 BPM, 1437#

2.5# @79 BPM, 1454#

3.0# @79 BPM, 1425#

3.5# @79 BPM, 1431#

4.0# @79 BPM, 1466#

4.5# @79 BPM, 1588# - dis. w/ 81 bbl., ISIP = 727#, 5 min. = 477#, 10 min. = 419#, 15 min. = 401# - total of 2365 bbl. load, job complete & shut in.

2/04/19

Blocker #16-12 - MIRU Alliance Well Serv. - well on vac., nipped dwn. frac. valve & RU prod. head & valves - TIH w/ 2 7/8" x 3' perf. sub @3413', SN @3410' & 106 jts. 2 7/8" tbg. - landed tbg. & packed off - Gusher on location to lay swab lines to frac. tanks & hook equalizer line to one other tank - RU swab, ran swab FL @300' FS, 1st 4 runs fought sand - swabbed dwn. to 600' FS, rec. 41.25 BTF, all water - SDON. Est. cost = \$4,700

2/05/19

Blocker #16-12 - Miss. 3424-54', SN @3410' - tbg. = vac. - ran swab FL @500' FS - swabbed steady remainder of day, FL @1100' FS, rec. 531 bbl. f/ day, all water, 2 day total of 572.25 of 2365 bbl. load - SDON. 2 day est. cost = \$10,700

2/06/18

Blocker #16-12 - Miss. 3424-54', SN @3410' - tbg. = light blow, ran swab FL @650' FS, all water - swabbed steady remainder of day - last run 1400' FS, rec. 428 bbl. f/ day w/ tr. of oil - 3 day total of 1,000 bbl., 2365 bbl. load - shut in & SDON.

3 day est. cost = \$16,750

2/07/19

Blocker #16-12 - Miss. 3424-54', SN @3410' - tbg. = light blow, ran swab FL @1,000' FS, all water - swab steady f/ 5 hrs. & had swab cup come apart - tried several times to push to bottom w/ no success - will pull tbg. in a.m. - swabbed total of 277 bbl. f/ day w/ barely show of oil, total of 1277 bbl. total - 2365 bbl. load

4 day est. cost = \$21,700

2/08/19

Blocker #16-12 - TOH laying dwn. - on jt. #44 found all 3 missing pieces of swab cups - ran swab to bttm. w/ no prob. - TIH w/ tbg. & landed SN back @3410' - RU swab & swabbed remainder of day - 1st run FL @700' FS, all water - swabbed dwn. to 1400' FS, rec. 313 bbl. f/ day - total of 1590 bbl. of 2365 bbl. load - oil show not improving - SDOWE 5 day est. cost = \$27,500

2/11/19

Blocker #16-12 - Miss. 3424-54', SN @3410' - ran swab FL @800' FS w/ trace of oil on top - swabbed f/ 5 hrs. & sandline was coming apart - pulled off 1100' & poured new stinger - rec. 275 bbl. f/ day, total of 1865 of 2365 load - SDON.
6 day est. cost \$32,600

2/12/19

Blocker #16-12 - Miss. 3424-54', SN @3410' - ran swab FL @700' FS, 30' oil on top = less than 1% oil - swabbed steady remainder of day - last run FL @1400' FS, rec. 407 bbl. f/ day, total of 2272' of 2365 load w/ 1% oil - SDON.
7 day est. cost = \$37,900

2/13/19

Blocker #16-12 - Miss. 3424-54', SN @3410' - ran swab FL @900' FS, tr. oil on top - swabbed steady remainder of day, last run FL @1500' FS, rec. 369 BTF f/ day w/ tr. oil - total of 2641 BTF, 276 bbl. over load - Jacam took sample, 58,000 chlorides, final results on 2/15/19 - SDON. 8 day est. cost = \$43,925

2/14/19

Blocker #16-12 - Miss. 3424-54', SN @3410' - ran swab FL @900' FS, all water - swabbed steady remainder of day, last run FL @1400' FS, rec. 379 bbl. f/ day, all water - total of 3,020, 655 bbl. over load - SDON. 9 day est. cost = \$49,100

2/15/19

Blocker #16-12 - Miss. 3424-54', SN @3410' - ran swab FL @900' FS, 2525' FIH w/ 30' oil on top = 1% - swabbed 6 hrs., last run FL @1400' FS, rec. 247 bbl. f/ day, all wtr. - total of 3267 bbl., 902 bbl. over load - RD swab equip. & RDMO.
10 day est. cost = \$53,300

3/07/19

Blocker #16-12 - RU Pioneer Wireline portable mast & Pro Stim - ran tracer survey & inj. profile - conclusion was channeled behind pipe going dwn. to Arbuckle - RDMO.
Est. cost = \$6,250

3/11/19

Blocker #16-12 - MIRU Alliance Well Serv. - Sunrise delivered 5 jts. tbg. - RU f/ tbg., unpacked head & tagged bttm. w/ tbg. @3533', LTD @3569' - TOH w/ tbg. - SDON. 2 day est. cost = \$9,500

3/12/19

Blocker #16-12 - RU sand pump, made 1 run & rec. large amount of sand - shut dwn. f/ 1 hr. due to lightning - w/ more severe weather coming, TIH w/ tbg. & landed tbg. - laid rig over, due to high wind warnings f/ next 2 days - started raining & barely made it out of location - shut dwn. until Thur., due to severe storms.

3 day est. cost = \$12,700

3/18/19

Blocker #16-12 - Stood rig back up & unpacked head - TOH w/ tbg. - RU sand pump & cleaned out approx. 5', when pump stuck together - tried to pull apart, but couldn't - SDON. 4 day est. cost = 16,700

3/19/19

Blocker #16-12 - RU Excel Wireline - FL @590' FS, LTD @3546' - shot squeeze gun @3544-45', 4" HEC @4spf - TR Servs. on location, TIH w/ PKR & set @3484' - RU Pro Stim to take inj. rate & holding @1,000#, no rate - called f/ acid - RU Pro Stim to spot acid - 1 bbl. out = staging @800#, incr. press. to 1700# & started feeding - w/ 6 out = 1.25 BPM, 2000# - ISIP = 1860#, 2 min. = 0 - RU tbg. swab FL @sur. & swabbed dry - let set 30 min. & was dry - TOH w/ PKR - RU Excel to set CI retainer @3520' - TIH w/ stinger to 3413' & SDON. 5 day est. cost = \$29,600

3/20/19

Blocker #16-12 - Ran stinger just above retainer @3520' - had swab tank delivered - RU QES Cementing & pumped $\frac{1}{4}$ BPM to clear stinger - stung into retainer & took rate @ 1.2 BPM, 2500# - pumped tbg. vol. - mixed & pumped 50 sxs. Standard w/ friction red. & FL - pumped 25 sxs. in @ $\frac{1}{4}$ BPM, 2500# - stung out of retainer & pumped 15 bbl. to wash up tbg. - no blow on annulus throughout job - waited 1 hr. & TIH w/ PKR & left swinging @2900' - SDON. 6 day est. cost = \$39,220

3/21/19

Blocker #16-12 - Ran PKR dwn. & tagged retainer @3520' - pulled up & set PKR @3387' to iso. Miss. @3424-54' - ran swab FL @300' FS, 3090' FIH w/ 525' oil on top = 17% oil - swab dwn. to 600' FS, rec. 32.50 BTF w/ 1% oil - start test:

1st hr. @10pph rec. 50 BTF, FL @700' FS w/ 1% oil

2nd hr. @10pph rec. 53.50 BTF, FL @800' FS w/ 1% oil

3rd hr. @10pph rec. 54.00 BTF, FL @800' FS w/ 1/2 % oil

4th hr. @9pph rec. 50.00 BTF, FL @900' FS w/ 1/2% oil

5th hr. @9pph rec. 45.00 BTF, FL @1,000' FS w/ 1/2% oil

6th hr. @9pph rec. 50.00 BTF, FL @1,000' FS w/ 1/2% oil

7th hr. @9pph rec. 45.00 BTF, FL @1,000' FS w/ 1/2% oil, total of 380 bbl. - SDON.

7 day est. cost = \$45,070

3/22/19

Blocker #16-12 - Miss. 3424-54', PKR @3387' - FL @600' FS, 2790' FIH w/ 30' oil on top = 1% oil - swabbed dwn. to 700' FS, rec. 22 BTF - start test:

1st hr. @9pph rec. 54 BTF, FL @800' FS w/ 1/2% oil

2nd hr. @8pph rec. 48 BTF, FL @800' FS w/ 1/2% oil

3rd hr. @7pph rec. 42 BTF, FL @800' FS w/ 1% oil

Have slightly more gas after 3rd hr.

4th hr. @9pph rec. 47 BTF, FL @1,000' FS w/ 1% oil

5th hr. @8pph rec. 46 BTF, FL @1,000' FS w/ 1% oil - RD swab equip. & TOH w/ PKR - TIH w/ 3' perf. sub, SN & 106 jts. 2 7/8" tbg. w/ SN @3410' - landed tbg. & shut in well - called f/ dozer - RDMO.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K3 Oil and Gas Operating, Co.
 24900 Pitkin Road
 Suite 305
 The Woodlands, TX 77386
 ATTN: John Rigas/Randy Say

12/33S/1E/ Sumner, KS

Blocker #16-12

Job Ticket: 63927

DST#: 1

Test Start: 2018.11.26 @ 11:49:00

GENERAL INFORMATION:

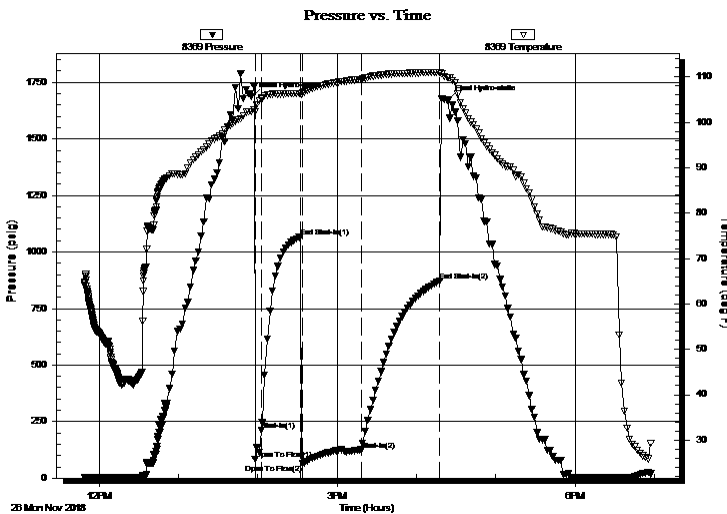
Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:58:00
 Time Test Ended: 18:57:20
 Interval: **3420.00 ft (KB) To 3475.00 ft (KB) (TVD)**
 Total Depth: 3475.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jimmy Ricketts
 Unit No: 80
 Reference Elevations: 1142.00 ft (KB)
 1136.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8369

Outside

Press@RunDepth: 124.79 psig @ 3421.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.11.26 End Date: 2018.11.26 Last Calib.: 1899.12.30
 Start Time: 11:49:01 End Time: 18:57:20 Time On Btm: 2018.11.26 @ 13:55:30
 Time Off Btm: 2018.11.26 @ 16:24:00

TEST COMMENT: IF - Weak blow building to strong blow 2 minutes into initial flow period. Continued to build to 34 inches.
 FF - Strong blow throughout final flow period. Gas to surface 35 minutes into final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1685.94	102.38	Initial Hydro-static
3	82.38	102.30	Open To Flow (1)
8	211.30	105.13	Shut-In(1)
37	1066.42	106.39	End Shut-In(1)
39	62.98	106.41	Open To Flow (2)
83	124.79	109.43	Shut-In(2)
143	871.02	110.99	End Shut-In(2)
149	1672.16	109.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
175.00	W O & M cut G 46%G 25%O 5%W & 24%1.39	
60.00	Heavy O & M cut G 39%G 29%O & 33%10.84	
60.00	Oil cut mud 1% O & 99% M	0.84

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.00	5.76



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

K3 Oil and Gas Operating, Co.

12/33S/1E/ Sumner, KS

24900 Pitkin Road
Suite 305
The Woodlands, TX 77386
ATTN: John Rigas/Randy Say

Blocker #16-12

Job Ticket: 63927

DST#: 1

Test Start: 2018.11.26 @ 11:49:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
175.00	W O & M cut G 46%G 25%O 5%W & 24%M	1.389
60.00	Heavy O & M cut G 39%G 29%O & 33% M	0.842
60.00	Oil cut mud 1% O & 99% M	0.842

Total Length: 295.00 ft Total Volume: 3.073 bbl

Num Fluid Samples: 0

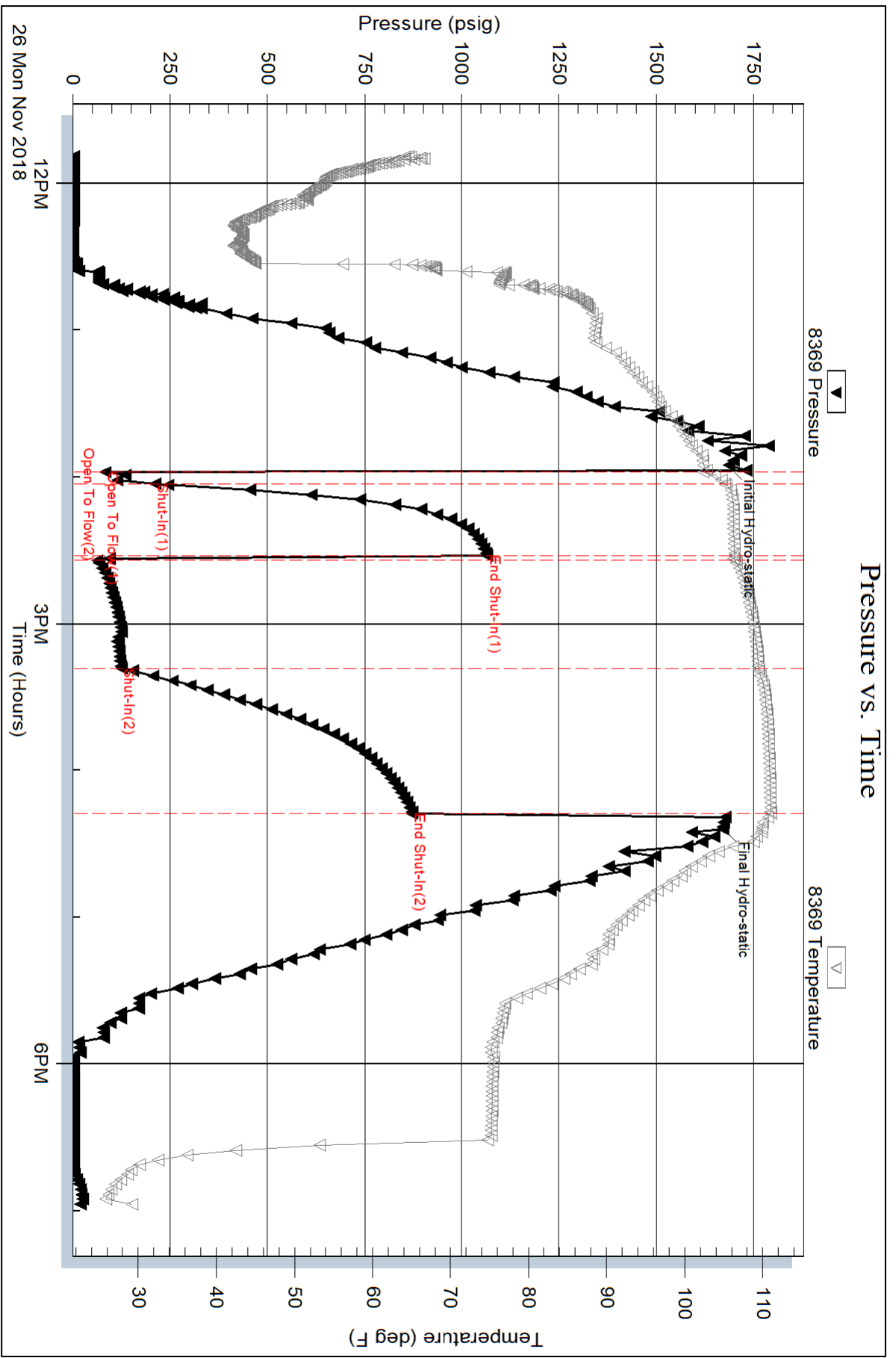
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



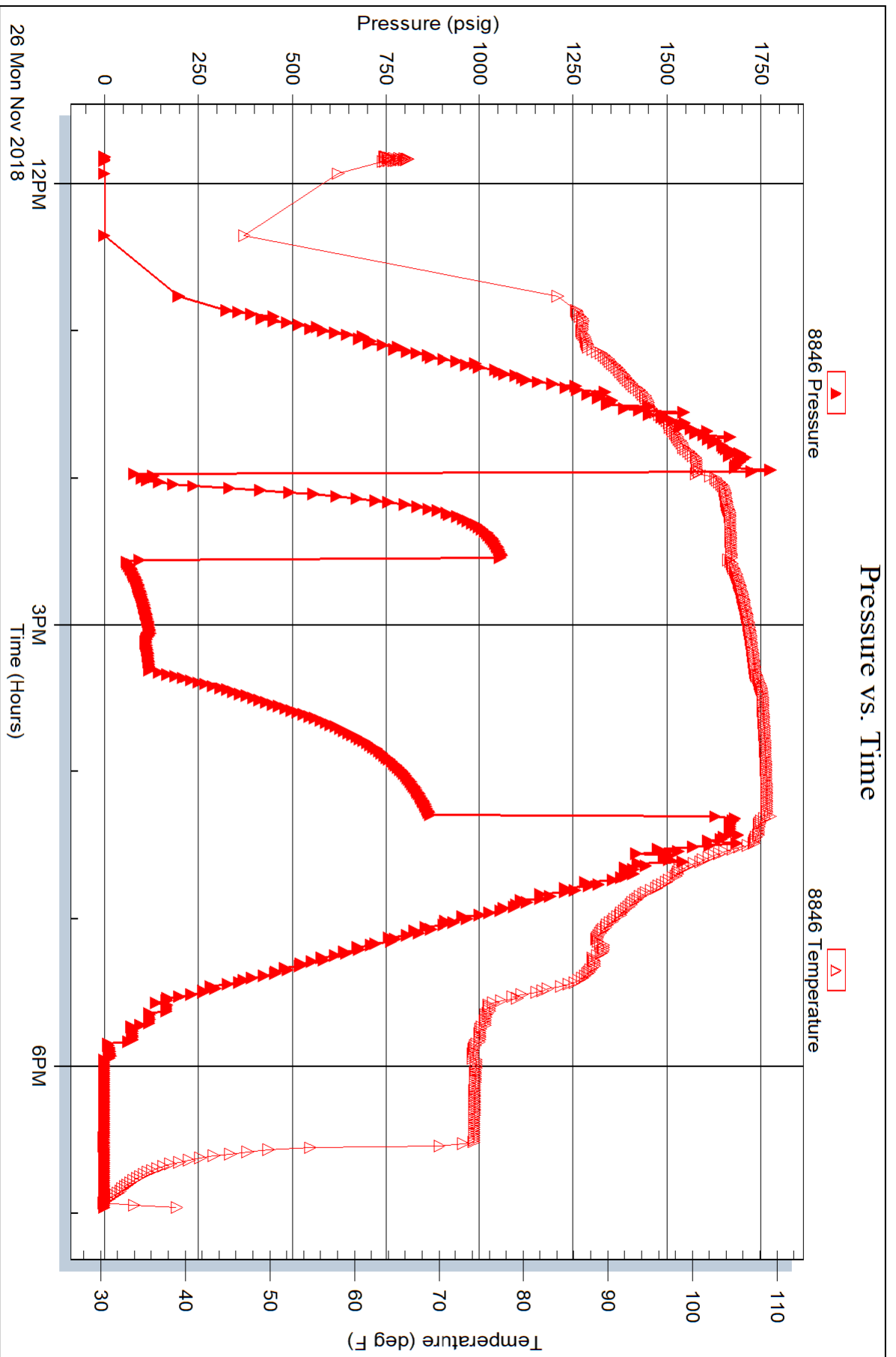
Serial #: 8846

Inside

K3 Oil and Gas Operating, Co.

Blocker #16-12

DST Test Number: 1



LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Blocker No.16-12
API: 15-191-22809
Location: SE NW NW SW Sec.12-T33S-R1E, Sumner Co, KS
License Number: _____ Region: _____
Spud Date: 11/20/18 Drilling Completed: 11/28/18
Surface Coordinates: 2050'FSL 553'FWL
Latitude 37.194164245 / Longitude -97.273776107
Bottom Hole Coordinates: _____
Ground Elevation (ft): 1137 K.B. Elevation (ft): 1142
Logged Interval (ft): 2000 To: _____ Total Depth (ft): _____
Formation: Cherokee, Mississippian, Simpson
Type of Drilling Fluid: Chemical

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: K3 Oil and Gas Operating Company
Address: 24900 Pitkin Road, Ste. 305
The Woodlands, TX 77386
832-813-8558

GEOLOGIST

Name: Randy Say
Company: RSay Enterprises
Address: 13524 W. 67th Way
Arvada, CO 80004
303-940-8751

Casing/ Data

8.625" Surface Casing set at 512'.

Logging Program
Halliburton Energy Services
Logs Interval
Array Compensated True Resistivity
Spectral Density Dual Spaced Neutron
Microlog
BHC-Sonic
Annular Hole Volume

NB2 7.875" PDC
M616 in @ 512

11/22/18

ROP (Min/FT) 5
Gamma (API) 200

11/23/18

WOB 8/10
RPM 100
PP 800
SPM 59

decr WOB 6
RPM 80
PP 600
SPM 57

Heebner
2136(-994)

2000

2050

2100

2150

Samples 2000-2100 no sample recovery. Cuttings were very fine, flour sized cuttings. Decreased PDC penetration rate at 2100 and samples improved

LS litgy xfdl fri slity wsh mgy sft plty

SH mgy-tan vsft plty occ mushy scalc

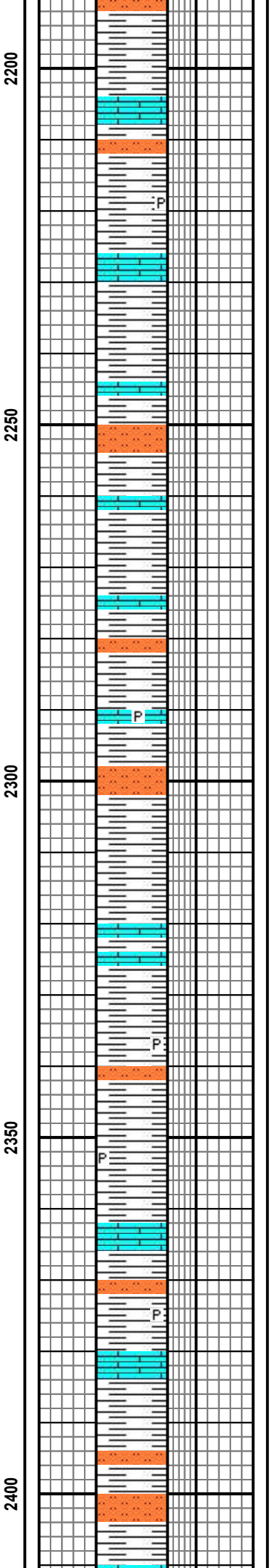
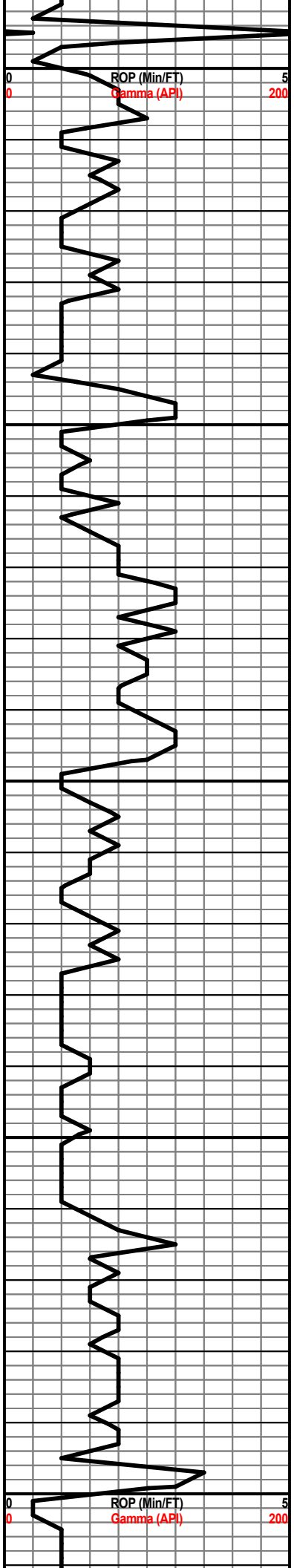
tr pyr

SS tn fri vfg arg mtrx scalc

SS aa incr slity wintbd SH & LS strgs aa

SLTST gy fri varg slpyr

W 9.8
V 34
WL NC
pH 7.0
cK Hvy
CL 2400
Ca 400
LCM 0#/BBL



SH mgy-tn vsft plty slcarb slcalc

LS tan xfxl fri slty

tr pyr

LS aa incr gra arg

SH lt-mgy-bm vsft-mushy plty occ wintbd sltst strg & thin LS strgs

SLTST bm-tan vfri vrg

SH mot m-ltgy-redbm sft plty varg slsly slcalc

SH aa wintbd tn LS and vfri sltst

SLTST ltgy fri vrg crb

SH aa incr mot gy-tan/redbm vsft-mushy vrg wthin ltgy fri LS strgs

occ tr pyr

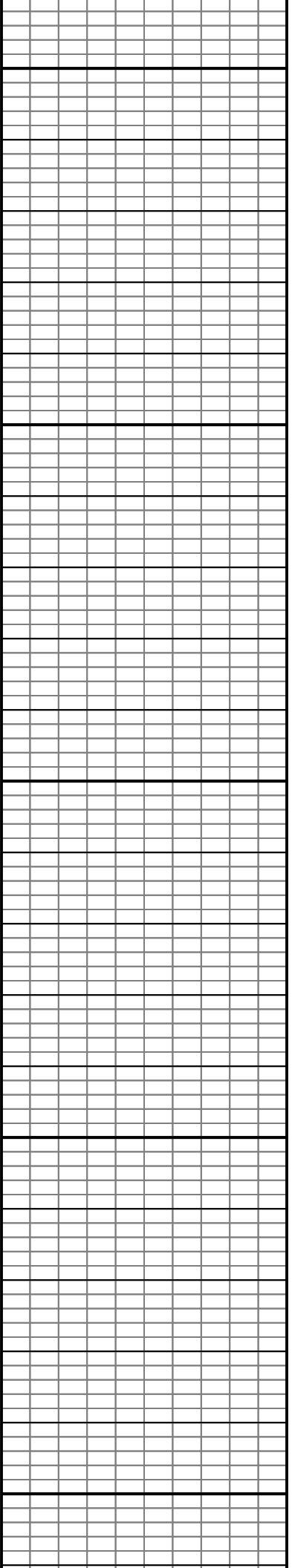
SH mot m-ltgy-ltredbm vsft plty varg slcalc wtr pyr

LS ltgy gm vfri slty

tr pyr

SH aa wintbd tan fri sltst strgs & LS aa

SLTST incr mt m-dkgy fri carb slalc



laton LS 2420

2450

2500

2550

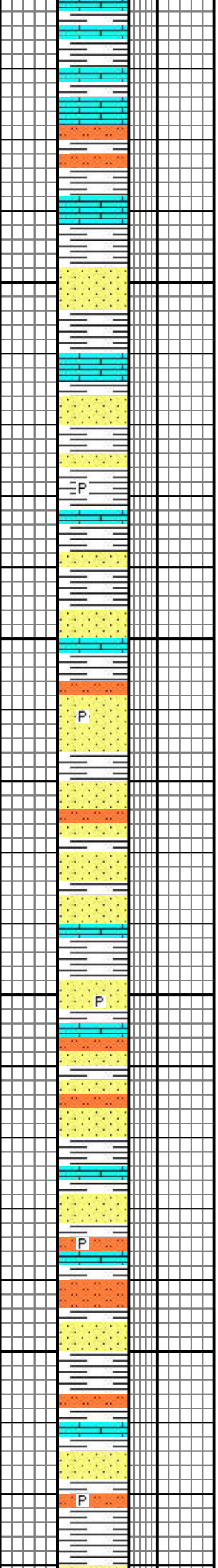
2600

Layton Sand
2510(-1368)

11/24/18

ROP (Min/FT)
Gamma (API)

0 5 200



LS ltgy xfl-gran fri slty wintbd SH aa

LS tan-ltgy xfl firm occ slty gran text wintbd
lttan SLTST strgs

LS aa wltan sltst strgs

SH mot gy-tan vsft mushy plty vrg carb
slcalc

SS ltgy fri-fimm vfg to slty vcarb slcalc

LS mgy xfl fri suc wintbd ss strgs

SH m-dlgy-tn vsft-mushy plty crb occ slty

SH aa wintbd slty SS strg

SS ltgy-wh vf-fg sbang msrt fri carb arg mtrx
slpyr wsltst strgs; por-p nsfoc

SS aa incr f-vfg fri-firm vcarb occ tr mica & pyr
wintbd SH mgy sft plty; por-p-tt nsfoc

LS strgs tan fri arg

SS wh-ltgy fri sbng sbrd w/incr in slty/carb
strg occ ls strg; por-p-tt nsfoc

SS aa incr fg firm-fri arg arb wsltst strgs;
por-p nsfoc

SH mgy sft plty carb occ mic calc

LS strgs tan-gy fri suc slty

SS wh-mgy fri-firm f-vfg sbrd incr ty crb
w/occ tr pyr & mic; por-p-tt nsfoc

SS mgy vfg-slty vcarb calc wintbd SH
mgy-bk sft plty vcarb & thin LS strgs; por-tt
nsfoc

W 9.5

V 39

WL 9.2

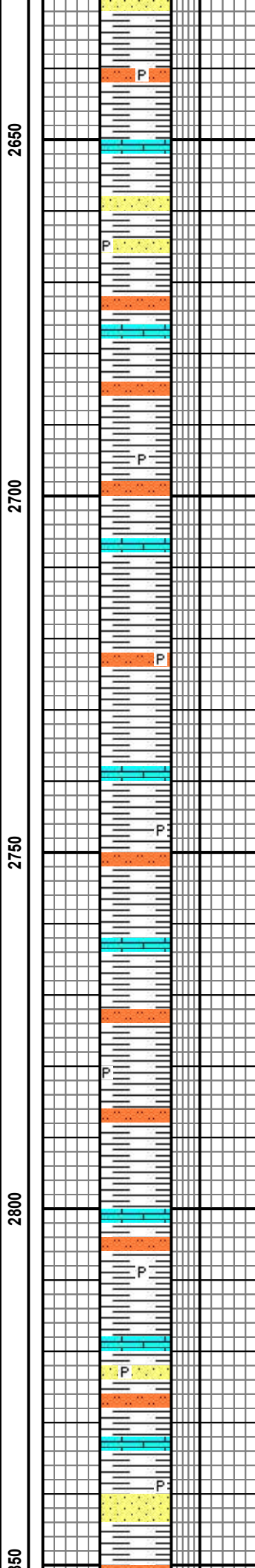
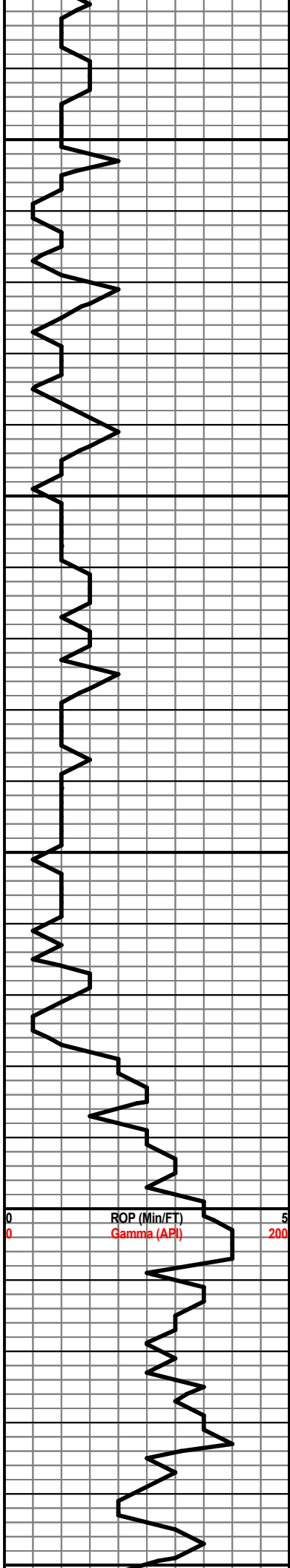
pH 11.0

cK 1

CL 2200

Ca 40

LOM 24/18



SH m-ltgy sft plty occ fis crb slty wsltst strgs

LS tan fri slty

SS strgs ltgy vfri slty crb slpyr

SH m-dkgy sft-firm incr fis plty crb occ slty slcalc

trpyr

SH m-dkgy sft plty fis slcalc carb w/intbd LS & sltst strgs

trpyr

SH aa

SH m-dkgy vsft plty fis incr slty slpyr

LS strgs tgy fri arg slty

SH m-ltgy incr fis & lam crb occ mic & slpyr slcalc w/intbd SLTST strgs

LS mgy fri arg slty slpyr

SH mot m-ltgy-tan vsft plty fis slty calc

SS ltgy vfg to slty arg slpyr

SH aa winr in intbd LS & thin SS strgs

SS ltgy vfg-slty fri arg mtrx carb slcalc

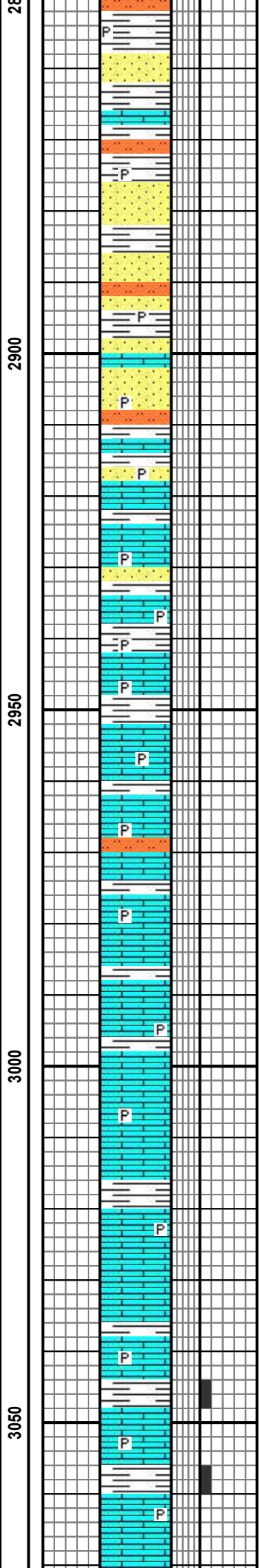
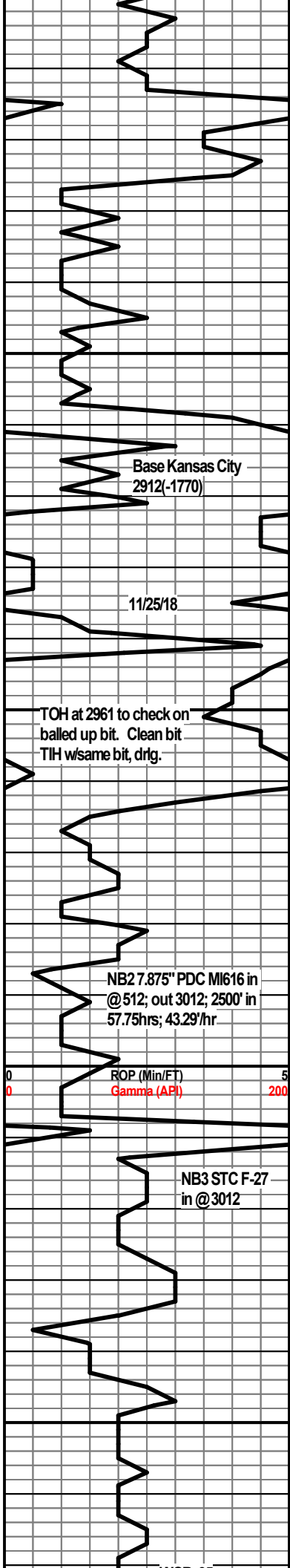
2650

2700

2750

2800

2850



tr pyr

SH mgy-incr dkgy plty fis carb w/incr in intbd
SS strgs aa

SS lt-mgy vf-occ fg fri sbrd slcalc cmted carb
& mica prtgs w/intbd SH strgs; por-p; nsfoc

SS wh-ltgy f-vfg sbrd wsrt fri arg mtrx occ slty
& mica w/intbd sltst strgs & occ thin LS
strgs; por-p nfoc

SH mgy sft plty carb

LS tan-wh gran vfri vchky mtrx occ calc infill
w/decr in slty ss strgs aa; LS por-p-tt nsfoc

tr pyr

LS tan-cm xfxl-gran vfri-firm tr fos w/calc infill
& decr in vfg/slty strgs SS;; gy SH; LS por-p
nsfoc

SH bk sft fis vcarb

LS wh-tan xfxl-gran vfri-firm sfos arg mtrx
w/tr pyr && thin dkgy SH trgs; por-p-tt nsfoc

LS cm-ltn gran-xfxl firm-vfri incr gran chky
occ sfos & pyr w/sltst strgs; por-p nsfoc

tr pyr

LS tan-wh gran-litho firm-fri chky mtrx occ
sfos pyr; por-p nsfoc

LS mot tan-wh-cm xfxl-litho fri chky mtrx
slpyr fos w/calc infill por-p-tt nsfoc

SH bk sft plty vcarb slcalc

LS cm-ltn gran-litho fri-firm occ suc chky
mtrx w/intbd sh strgs; LS por-p-tt nsfoc

SH bk-dkgy vft plty vcarb; flor-none; cut-sh
cut, slow mlky diffuse cut; no oilstn

tr pyr gm fri

W 9.4
V 55
WL 8.8
pH 10.5
cK 1
CL 3000
Ca 160
LCM 2#/BBL

WOB 35
RPM 85
PP 850
SPM 59

3100

3150

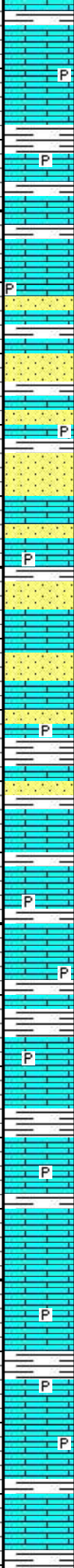
3200

3250

Mamaton
3184(-2042)

ROP (ft/FT)
Gamma (API)

0 5
0 200



LS mot ltan/cm-ltgy gran-xfxl fri occ fos
w/calc infill vfpvr; por-p nfoc

SH bk-dkgy firm plty carbflor-none; cut-slow
mlky diffuse sh cut; no oilstn

LS aa incr gran vfri chky porp-tt nsfoc

SH m-dkgy sft blk vcarb slpyr

SS ltgy vf-fg sbang psrt fri grdg to stly arg
mtrx w/intbd LS strgs aa; por-p nsfoc

LS cm-tan xfxl firm pyr

SS aa incr vfg-occ stly fri arg mtrx; por-p-occ
fr nsfoc

SS aa por-p nsfoc

SH lt-mgy firm blk stly slcalc

LS cm-tan xfxl firm mfos chky por-p nsfoc

LS aa por-p-tt nsfoc w/intbd SH strgs

SH m-dkgy firm plty vcarb scalc; ssh cut slow
mlky diffuse

LS aa w/intbd SH aa no sh cut

LS tan xfxl firm occ suc & gran pyr w/sh
strgs; LS por-p nsfoc

LS tan-gy xfxl-litho firm fos hd-fri suc vfpvr &
tr fos chk trx por-p-tt nsfoc

SH bk-dkgy vcarb no sh cut

tr pyr

LS m-ltgy xfxl-gm firm-fri fos w/calc infill slpyr
w/sh strgs; LS por-p-tt nsfoc

11/26/18

Cherokee
3310(-2168)

ROP (Min/FT)
Gamma (API)

DST No.1
3420-3475(55). See
Header for Results

Miss 3434(-2298)

CFS @3475

rrNB3 STC F-27 in @
3012

WOB 35
RPM 85
PP 900

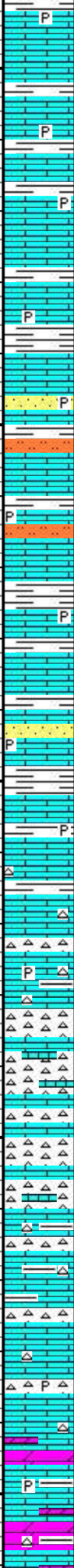
3300

3350

3400

3450

3500



LS aa nsfoc w/bk SH strgs incr fos chky & suc por-p nsfoc

SH bk-dkgy firm blkly vcarb slpyr no SH cut

LS tan-mgy firm-hd litho mfos w/chk mtrx vfpvr; por-p nsfoc

SH bk-dkgy firm blkly occ fis vcarb slcal no SH cut

SS wh vfg-slty vri arg mtrx grdng to sltst

LS mgy-tan xfl-gran hd-fri mfos chky mtrx w/intbd sltst & sh strgs; por-p-occ fr nfoc

SH mgy-incr tan/gygn-dkgy sft blkly vcarb pyr

LS m-ltgy xfl-gran firm-fri pyr occ sdy/slty chk mtrx por-p nsfoc

SS strgs wh vfg fri arg

SH m-dkgy firm blkly vcarb pyr

LS mot wh-ltgy-gygn fri-firm incr gran suc vchky abnt pyr w/SH strgs aa; occ tr mlkt cht; por-p-tt nsfoc

LS aa w/incr in cht/pyr nsfoc

Show No.1 3434-3464(30)

CHT wh-mlky-occ pale yel ang-vang w/intbd LS mlky-wh xfl-gran firm-fri gran text occ chky sidolo; por-p-fr-occ g; oilstn-tr-10% speckled dkbm-bk asphaltic stn on surf of cuttings; flor-30% myel; cut-30% immed strm m-briyel, esp on gran LS; res-visible vittan oilstn in dish after cut; show below 3450 decr to 20% myel flor and cut-20% slow mlkt strm; oilstn-decr to tr bk asphaltic

Show No.1 3434-3464(30)

W 9.6
V 54
WL 8.8
pH 10.5
cK 1
CL 4000
Ca 80
LCM 1.5#BBL

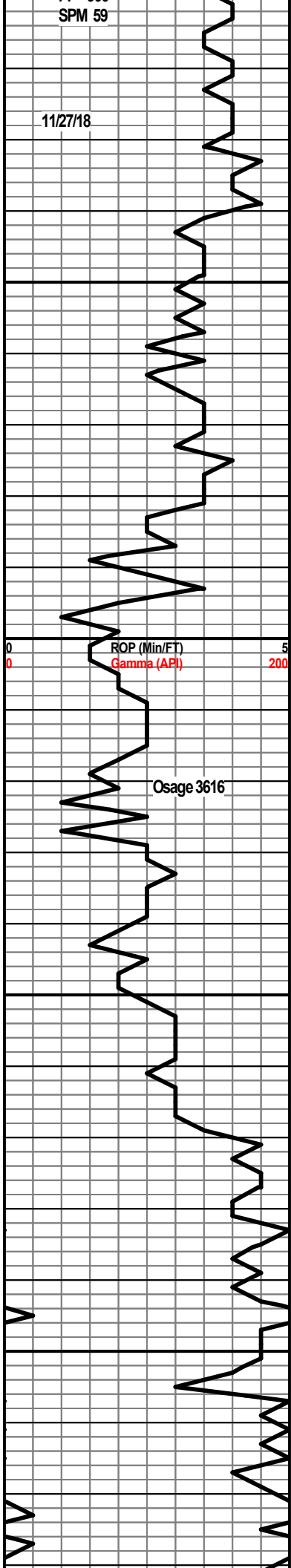
LS tan-wh xfl-gran suc chky w/sh strgs; por-fr; oilstn-none; flor-tr lyel; cut-tr slow mlky diffuse cut; res-none

LS m-dkgyxfl-gran fri-occ dn arg & chk mtrx w/decr amt cht strg; por-p-tt nsfoc

SH thin strgs gy sft w/tr pyr

LS aa incr hd xfl pyr dolo w/DOL strgs incr bm-tan microxl hd dns vfpvr por-tt nsfoc

11/27/18

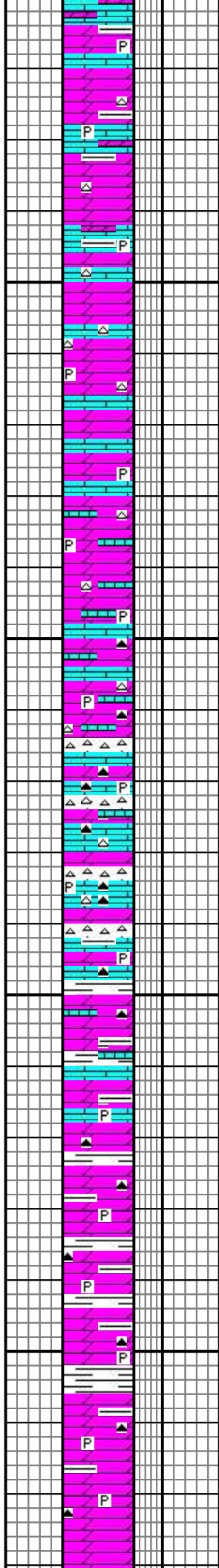


3550

3600

3650

3700



SH strgs thin mgy sft plty pyr

tr pyr incr tr cht

DOL bm-tan microxl-occ gran vhd dns-occ fri suc vfpwr wintbd gy ls & sh strgs; por-tt nsfoc

DOL aa incr xfxl firm-hd pyr occ shly wintbd tan LS strgs; DOL por-tt nsfoc

incr amt mgy cht

DOL tan-mot bm/tan xfxl firm-occ hd dns wintbd SH strgs & thin shly strgs; pyr; por-tt-p nsfoc

DOL aa decr mt sh strg occ tr cht & pyr; por-p nsfoc

DOL tan-bm xfxl-gran hd dns-firm wintbd dolo ls strgs aa; pyr tr cht; por-p-tt nsfoc

tr cht & pyr

DOL mot tan/bm-gy xfxl hd dns-firm occ suc arg mtrx wintbd LS strgs & incr cht & pyr; por-tt nsfoc

CHT tan-milky vang intbd win DOL& LS aa; por-tt nsfoc

LS wh-tan xfxl-litho fri slty wDOL tn microxl hd dns & strgs tan CHT; DOL por-p-tt nsfoc

SH gybm sft plty crb

DOL tan-gy xfxl-occ gran hd dns-firm slpyr abnt tan cht occ shly; por-tt nsfoc

tr pyr & decr amt cht

DOL tan-dkgy microxl hd dns occ tr sh strgs gy sft arg w/pyr; DOL por-tt

SH gygn-dkgy sft carb plty

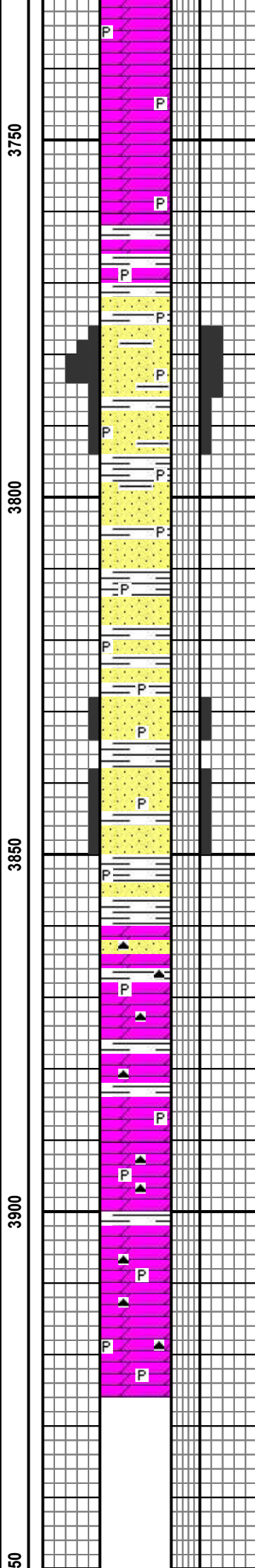
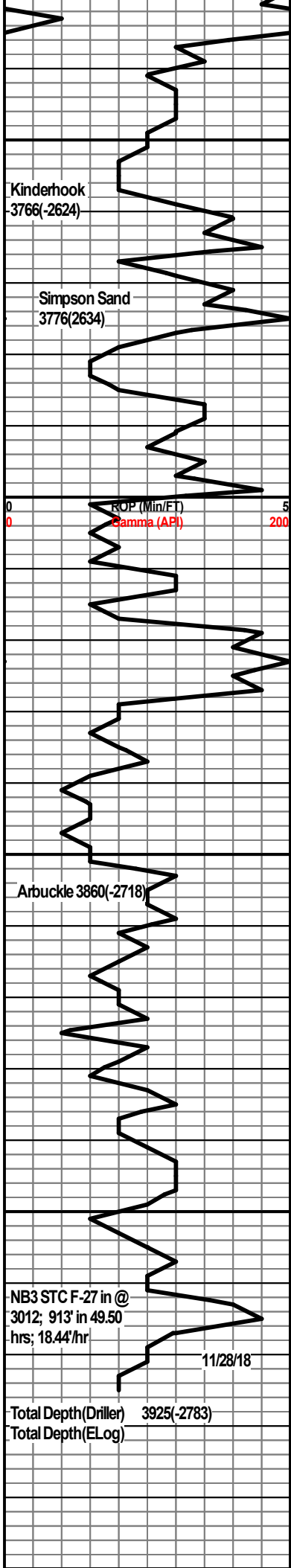
DOL aa decr chty occ gn wintbd SH strgs; DOL por-tt nsfoc

SH mgy-gygn sft blkly varg

tr pry tr decr to tr

DOL mgy-bm xfxl occ gm hd-firm vfpwr cht decr to tr w/no sh strgs; por-tt nsfoc

W 9.4
 V 56
 WL 7.2
 pH 10.5
 cK 1
 CL 3800
 Ca 100
 LCM 5.5#BBL



tr pyr

DOL mot tan-bm xfl- incr gran hd-firm occ suc slpyr; por-p-ft nsfoc

DOL mot tan-bm xfl-gran & suc hd-fri slpyr por-p-occ fr; nsfoc

DOL aa w/in cr in bk sft vcarb SH; DOL por-ft nsfoc; occ sdy strgs incr to SS wh vfg por-ft nsfoc

Show No.2 3776-3794(18)
SS wh-ltan firm-fri f-mg sbang msrt; calc cmted; mtr arg; wthin bk sh strgs; por-p-occ fr-g(when less cmt); oilstn-tr spotted tn oilstn, no vis live oil; flor-20% myel; cut-20% slow mlky -occ myel stm; res-myel flor res in dish, no live oil ring; Show decr at base to tr-10%; cut- slow mlky diffuse cut

SS wh-tan firm-occ fri m-fg sbrd msrt calc cmted; occ scat pyr w/intbd bk-dkgy SH strgs; por-p-occ fr when decr in mt cmt; oilstn-none; flor-none; cut-none

SH bk-dkgy sft plty vcarb pyr

Show No.3 3828-3850(22)
SS wh-ltgy fri-mhd f-mg sbrd-sbang wsrt; calc cmted;; incr abnt vfpwr w/bk SH strgs & prtgs; arg mtr; por-fr-occ g when decr amt cmt; oilstn-none; flor-10% ltyel cut-10% slow mlky-ltyel diffuse cut; res-pale mlkyflor res, no vis oil ring

SS aa decr por-p nsfoc w/intbd SH dk-mgy-gygn firm fis carb

tr cht dkgy-ltgy ang

DOL tan-bm microl-occ gran vhd dns-fri occ suc text arg mtr w/in cr abnt gy ang CHT & decr SH m-dkgy sft plty carb

SH dkgy-gygn sft plty carb slpyr

DOL mot tan-bm-gy xfl-gran hd dns-incr fri arg mtr w/tr sh strgs; por-p-vtt nsfoc

SH strg aa w/pyr & cht

DOL lltan-gy xfl-litho-gran hd-fri occ suc & fri arg mtr w/in cr amt CHT ltgy-mlky vang occ ot

CHT mgy ang

DOL mot tan-bm-gy microxl-gm hd-fri occ suc & gm; vfpwr; w/in cr abnt cht; por-p-tt nsfoc

Show No.2 3776-3794(18)

Show No.3 3828-3850(22)

W 9.6
V 65
WL 8.8
pH 10.0
cK 1
CL 4300
Ca 160
LCM 4#/BBL



Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Phone: 316-337-6200
Fax: 346-337-6211
<http://kcc.ks.gov/>

Dwight D. Keen, Chair
Shari Feist Albrecht, Commissioner
Jay Scott Emler, Commissioner

Laura Kelly, Governor

April 11, 2019

John Rigas
K3 Oil & Gas Operating Company
24900 PITKIN RD SUITE 305
THE WOODLANDS, TX 77386-1973

Re: ACO-1
API 15-191-22809-00-00
BLOCKER 16-12
SW/4 Sec.12-33S-01E
Sumner County, Kansas

Dear John Rigas:

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 11/20/2018 and the ACO-1 was received on April 11, 2019 (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