

C	onfiden	tiality	Requested:
	Yes	N	lo

# Kansas Corporation Commission Oil & Gas Conservation Division

1198327

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):  If Workover/Re-entry: Old Well Info as follows:  Operator: Well Name: Original Comp. Date: Original Total Depth:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.
□ Deepening       □ Re-perf.       □ Conv. to ENHR       □ Conv. to SWD         □ Plug Back       □ Conv. to GSW       □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Dual Completion Permit #:	
SWD         Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec.         TwpS. R East West           County:         Permit #:

#### **AFFIDAVIT**

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

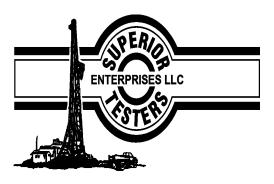
**Submitted Electronically** 

KCC Office Use ONLY						
Confidentiality Requested						
Date:						
Confidential Release Date:						
☐ Wireline Log Received						
Geologist Report Received						
UIC Distribution						
ALT I II III Approved by: Date:						

Page Two



Operator Name:			L	ease Name: _			Well #:	
Sec Twp	S. R	East We	est C	County:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott		
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log
Drill Stem Tests Taker (Attach Additional		Yes	No	L		n (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes	No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes Yes	No No					
List All E. Logs Run:								
		(	CASING REC	ORD Ne	w Used			
		· ·		ıctor, surface, inte	ermediate, producti		T	
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cem	ent #	# Sacks Used Type and Percent Additives				
Perforate Protect Casing	100 20111111							
Plug Back TD Plug Off Zone								
1 lag on zono								
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)
Does the volume of the to		•				_	o question 3)	(" 100 ")
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)
Shots Per Foot		ION RECORD - Bri Footage of Each Int				cture, Shot, Cement		d Depth
	, ,							
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:			
						Yes No		
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity
DIODOCITI	ON OF CAS:		, 4 CT - 1		TION:		DRODUCTIO	AN INTEDVAL.
Vented Solo	ON OF GAS:  Used on Lease	Open Ho		IOD OF COMPLE $\Box$		nmingled	PHODUCIIC	ON INTERVAL:
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)		



Prepared For: Toto Energy LLC

2515 Oakridge Drive Spring, Tx 77380

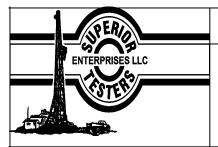
ATTN: Terry Madden

### Werner #27-1

# 27/24s/19w/Edwards

Start Date: 2013.10.09 @ 17:10:00 End Date: 2013.10.10 @ 01:36:00 Job Ticket #: 18504 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902



Toto Energy LLC

2515 Oakridge Drive Spring, Tx 77380

ATTN: Terry Madden

#### 27/24s/19w/Edwards

Werner #27-1

Unit No:

Job Ticket: 18504 DST#: 1

Test Start: 2013.10.09 @ 17:10:00

### **GENERAL INFORMATION:**

Formation: Mississippi

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:46:30 Time Test Ended: 01:36:00

4550.00 ft (KB) To 4575.00 ft (KB) (TVD) Interval:

Total Depth: 4575.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor Hole Diameter:

Test Type: Conventional Bottom Hole (Initial) Tester: Shane Konzem

3330/97/Great Bend

2167.00 ft (KB) Reference Elevations:

2156.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8400 Inside

Press@RunDepth: 5000.00 psia 666.48 psia @ 4571.00 ft (KB) Capacity:

Start Date: 2013.10.09 End Date: Last Calib.: 2013.10.09 2013.10.10 End Time: 2013.10.09 @ 19:42:30 Start Time: 17:10:00 01:36:00 Time On Btm:

Time Off Btm: 2013.10.09 @ 22:23:00

PRESSURE SUMMARY

Temp

Annotation

TEST COMMENT: 1st Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 5 minutes.

Ref. No: 18504

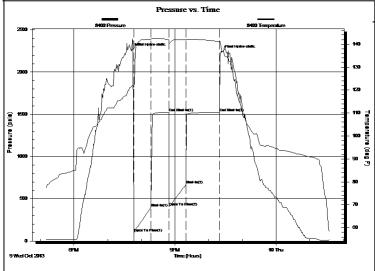
1st Shut In/ 30 Minutes. Fair blow back built to inches in 5 gallon bucket.

2nd Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 7 minutes and 10 seconds.

Time

Pressure

2nd Shut In/ 60 Minutes. Weak surface blow.



(Min.)	(psia)	(deg F)	
0	2258.09	121.34	Initial Hydro-static
4	101.82	121.09	Open To Flow (1)
35	399.06	142.11	Shut-In(1)
67	1524.10	141.88	End Shut-In(1)
67	407.96	140.86	Open To Flow (2)
97	666.48	141.82	Shut-In(2)
157	1523.72	141.09	End Shut-In(2)
161	2236.44	137.28	Final Hydro-static

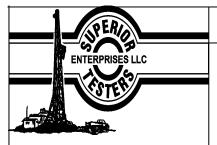
#### Recovery

Description	Volume (bbl)
No gas	0.00
2.5% gas, 50% mud, 47.5% w ater	1.77
2.5% gas, 37.5% Mud, 60% water	1.77
2.5% gas, 97.5% w ater	13.26
Chloride recov, 39000 ppm	0.00
resist recov, .21 at 40 degrees.	0.00
	No gas 2.5% gas, 50% mud, 47.5% w ater 2.5% gas, 37.5% Mud, 60% w ater 2.5% gas, 97.5% w ater Chloride recov, 39000 ppm

#### Gas Rates

Choke (inches) Pressure (psia) Gas Rate (Mcf/d)

Printed: 2013.10.09 @ 01:49:46



Toto Energy LLC

2515 Oakridge Drive Spring, Tx 77380

ATTN: Terry Madden

#### 27/24s/19w/Edwards

Werner #27-1

Tester:

Unit No:

Job Ticket: 18504 **DST#:1** 

Test Start: 2013.10.09 @ 17:10:00

### **GENERAL INFORMATION:**

Formation: Mississippi

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:46:30 Time Test Ended: 01:36:00

Interval: 4550.00 ft (KB) To 4575.00 ft (KB) (TVD)

Total Depth: 4575.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Shane Konzem

3330/97/Great Bend

Reference Elevations: 2167.00 ft (KB)

2156.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6999 Outside

Press @ RunDepth: 1524.96 psia @ 4572.00 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2013.10.09
 End Date:
 2013.10.10
 Last Calib.:
 2013.10.09

 Start Time:
 17:10:00
 End Time:
 01:35:30
 Time On Btm:
 2013.10.09 @ 19:41:30

Time Off Btm: 2013.10.09 @ 22:23:00

PRESSURE SUMMARY
re Temp Annotation

TEST COMMENT: 1st Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 5 minutes.

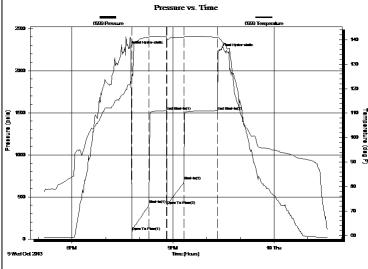
1st Shut In/ 30 Minutes. Fair blow back built to inches in 5 gallon bucket.

2nd Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 7 minutes and 10 seconds.

Time

Pressure

2nd Shut In/ 60 Minutes. Weak surface blow.



	(Min.)	(psia)	(deg F)	
	0	2264.51	121.61	Initial Hydro-static
	5	91.79	123.90	Open To Flow (1)
	36	414.12	141.01	Shut-In(1)
,	67	1525.26	141.11	End Shut-In(1)
3	68	402.94	140.37	Open To Flow (2)
	98	694.28	140.94	Shut-In(2)
,	158	1524.96	140.94	End Shut-In(2)
9	162	2239.02	140.31	Final Hydro-static

## Recovery

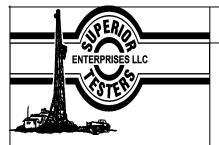
Length (ft)	Description	Volume (bbl)
0.00	No gas	0.00
126.00	2.5% gas, 50% mud, 47.5% w ater	1.77
126.00	2.5% gas, 37.5% Mud, 60% w ater	1.77
945.00	2.5% gas, 97.5% w ater	13.26
0.00	Chloride recov, 39000 ppm	0.00
0.00	resist recov, .21 at 40 degrees.	0.00

Gas Rat	es	

Gas Rate (Mcf/d)

Choke (inches) Pressure (psia)

Superior Testers Enterprises LLC Ref. No: 18504 Printed: 2013.10.09 @ 01:49:46



**TOOL DIAGRAM** 

Toto Energy LLC

27/24s/19w/Edwards

2515 Oakridge Drive Spring, Tx 77380 Werner #27-1

Job Ticket: 18504 **DST#:1** 

ATTN: Terry Madden

Test Start: 2013.10.09 @ 17:10:00

**Tool Information** 

Drill Pipe: Length: 4529.00 ft Diameter: Heavy Wt. Pipe: Length: 0.00 ft Diameter: Drill Collar: Length: 0.00 ft Diameter:

3.80 inches Volume: 63.53 bbl 0.00 inches Volume: 0.00 bbl 0.00 inches Volume: 0.00 bbl

63.53 bbl

Total Volume:

Tool Weight: 2000.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 88000.00 lb

Drill Pipe Above KB: 8.00 ft
Depth to Top Packer: 4550.00 ft

Tool Chased 0.00 ft
String Weight: Initial 78000.00 lb

Printed: 2013.10.09 @ 01:49:47

Depth to Bottom Packer: ft
Interval betw een Packers: 25.00 ft
Tool Length: 54.00 ft

Final 82000.00 lb

Tool Length: 54.00 ft
Number of Packers: 2

Diameter: 6.75 inches

Ref. No: 18504

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4522.00		
Shut-In Tool	5.00			4527.00		
Hydroic Tool	5.00			4532.00		
Jars	6.00			4538.00		
Safety Joint	2.00			4540.00		
Packer	5.00			4545.00	29.00	Bottom Of Top Packer
Packer	5.00			4550.00		
Perforations	20.00			4570.00		
Recorder	1.00	8400	Inside	4571.00		
Recorder	1.00	6999	Outside	4572.00		
Bullnose	3.00			4575.00	25.00	Bottom Packers & Anchor

Total Tool Length: 54.00



**FLUID SUMMARY** 

Toto Energy LLC

27/24s/19w/Edwards

2515 Oakridge Drive Spring, Tx 77380 Werner #27-1

Job Ticket: 18504

Serial #:

DST#: 1

ATTN: Terry Madden

Test Start: 2013.10.09 @ 17:10:00

# **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 64.00 sec/qt Cushion Volume: bbl

8.80 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psia

Salinity: 8600.00 ppm
Filter Cake: 1.00 inches

# **Recovery Information**

Water Loss:

### Recovery Table

Length ft	Description	Volume bbl
0.00	No gas	0.000
126.00	2.5% gas, 50% mud, 47.5% w ater	1.767
126.00	2.5% gas, 37.5% Mud, 60% w ater	1.767
945.00	2.5% gas, 97.5% w ater	13.256
0.00	Chloride recov, 39000 ppm	0.000
0.00	resist recov, .21 at 40 degrees.	0.000

Total Length: 1197.00 ft Total Volume: 16.790 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

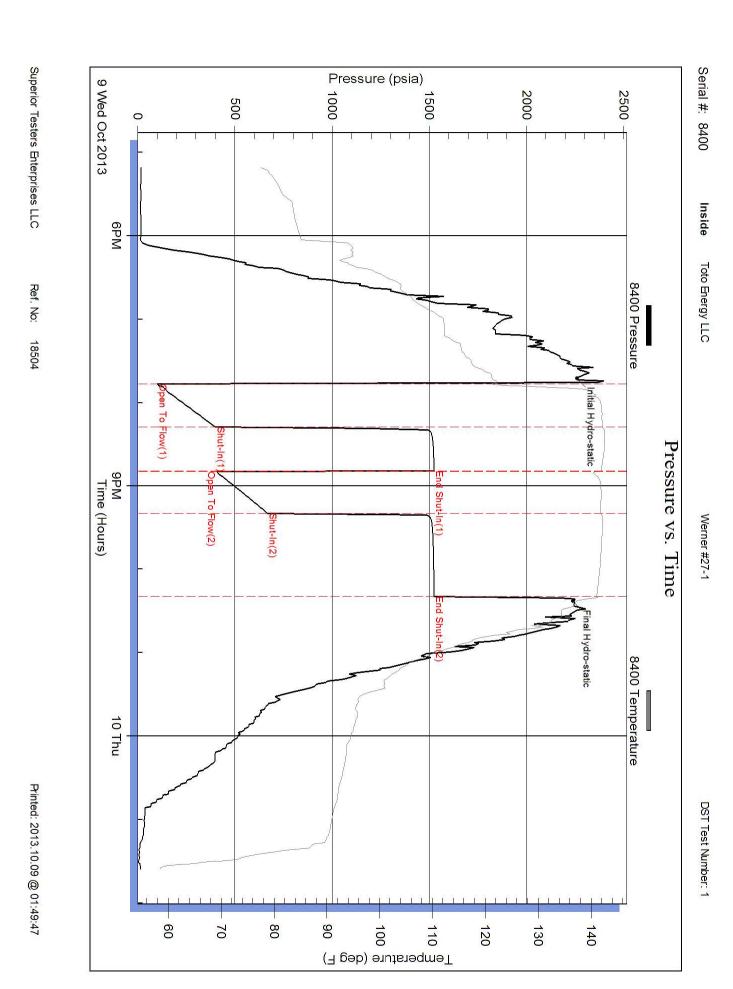
Laboratory Name: Laboratory Location:

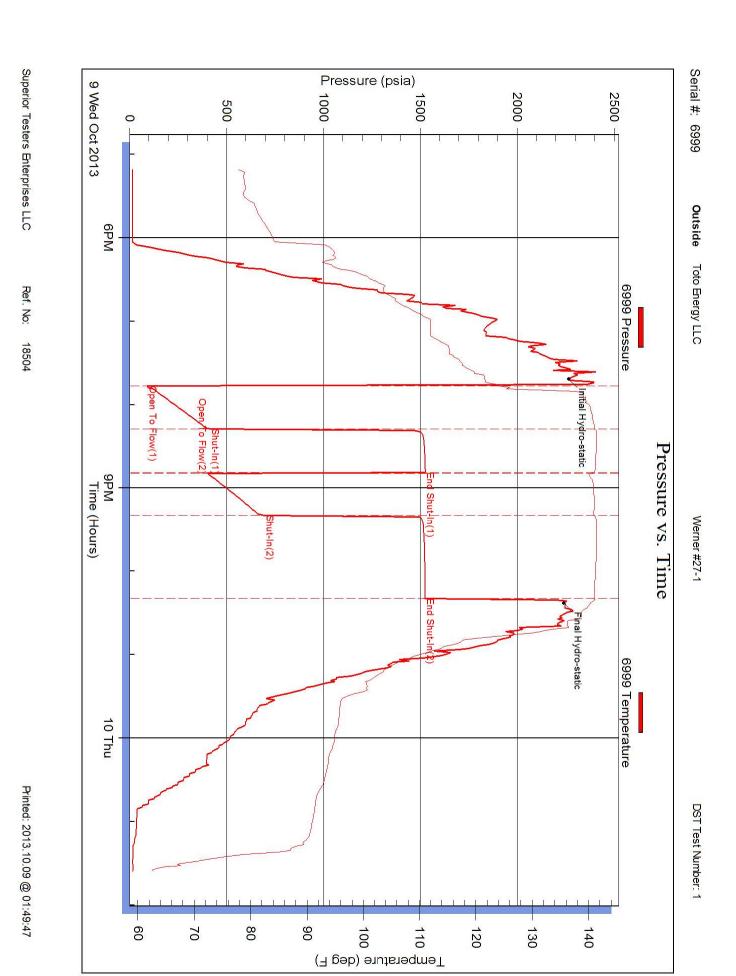
Ref. No: 18504

Recovery Comments:

Superior Testers Enterprises LLC

Printed: 2013.10.09 @ 01:49:47





# TREATMENT REPORT



80.0 2 10H 25how 2-10H ROL HOLE 9 5491 901 901 acs1 5 8 001 12/2 0 001 ashl OYH 75 001 Ohhi 91 -94! LOOU SIAN Pressure Pressure Rate Bbls. Pumped Service Log **BuiduT Gasing** 25521 1075 200 Driver Service Units 33708 EHHAZ 09661 achor Station Manager Customer Representative Treater oī From Plug Depth Packer Depth Total Load Gas Volume Flush ᅋ From Annulus Vol. Well Connection Annulus Pressure **besU 9HH** From oī Frac Max Press **Max Press** .niM 21 gvA MOIT oT Volume emulov Pad iniM Of ΠİΜ From oT Depth Depth Max Pre Pad .niM 2 Casing Size esis gniduT 3H\aton2 **bioA** dISI RATE PRESS **РЕЯГОВАТІИ**В ОТАТА ATAG 3919 **LUD USED** TREATMENT RESUME MUD Type Job PTA Feder Description 97-14-19 **Formation** Casing Depth 1-40 # IIPM гөзгө Ио.



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

# CO40651850 FIELD SERVICE TICKET 1718 08200 A

EN	ERGY	SERVICES PI	one ozu-o/z-1zu	1				
PRESSURE PUMPING & WIRELINE					DATE TICKET NO			
DATE OF 10-13 DISTRICT Prant				WENT N	OLD U	PROD INJ WDW	CUSTOMER ORDER NO.:	
CUSTOMER TO TO	DE	n erav		LEASE (	BW W	'erner	27-) WELL NO.	
ADDRESS		.07		COUNTY &			KS	
CITY		STATE		SERVICE CREW SCOTT JUSSE JOE				
AUTHORIZED BY				JOB TYPE:	Inu	PTA		
EQUIPMENT#	HRS	EQUIPMENT#	HRS E	QUIPMENT#	HRS	TRUCK CALLED 14	DATE AND TIME	
33708 20920	1:35					ARRIVED AT JOB	€ £ 215	
19960 21010	1,25				-	START OPERATION	3 AM 2:40	
8847)					-	FINISH OPERATION	1 8 415	
						RELEASED	AM 5/5	
	9 - 1					MILES FROM STATION T	O WELL 50	
The undersigned is auth products, and/or supplies in	orized to ex	ecute this contract as an a	agent of the customer.	As such, the under	ersigned agr	ed or merchandise is delivered). ees and acknowledges that this cument. No additional or substitu	contract for services, materials,	

become a part of this contract without the written consent of an officer of Basic Energy Services LP. SIGNED: Y (WELLOWNEY, OPERATOR, CONTRACTOR OF ACENT) ITEM/PRICE REF. NO. UNIT PRICE MATERIAL, EQUIPMENT AND SERVICES USED UNIT QUANTITY \$ AMOUNT 3,040 mi mi 368 SUB TOTAL 25 CHEMICAL / ACID DATA: SERVICE & EQUIPMENT %TAX ON \$ %TAX ON \$ MATERIALS TOTAL

SERVICE ASPLICA	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY
	(WELL OWNER OPERAT

FIELD SERVICE ORDER NO.



PAGE CUST NO 1 of 1 10-764 TWACTCP DETE 10/15/2013

INVOICE NUMBER

# 1718 - 91310404

Pratt

(620) 672-1201

B TOTO ENERGY LLC

I 25815 OAK RIDGE DRIVE

E SPRING

TX US

77380

o ATTN:

ACCOUNTS PAYABLE

LEASE NAME

Werner 27-

LOCATION

COUNTY

Edwards

STATE

KS

JOB DESCRIPTION T

JOB CONTACT

Cement-New Well Casing/Pi

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE		
40651250	20920	two the same			Net - 30 days	11/14/2013	
			QTY	U of M	UNIT PRICE	INVOICE AMOUNT	
For Service Dates	: 10/10/2013 to 10	0/10/2013					
0040651250							
0040031230							
1718082004 Came	nt-New Well Casing/Pi 1	10/10/2013					
Cement P.T.A.	<u></u>						
60/40 POZ			170.00	EA	9.00	1,529.78 <sup>-</sup>	
Cement Gel			294.00	EA	0.19	i	
"Unit Mileage Chg (I			50.00		3.19	•	
Heavy Equipment M			100.00 368.00		5.25 1.20	1	
"Proppant & Bulk De Depth Charge; 1001			1.00		1,124.84		
Blending & Mixing S			170.00		1.05		
"Service Supervisor	, first 8 hrs on loc.		1.00	EA	131.23	131.23	
	5					·	
,							
i ja kanala Parana kanala Parana Parana		V 20	64				

PLEASE REMIT TO:

SEND OTHER CORRESPONDENCE TO:

BASIC ENERGY SERVICES, LP BASIC ENERGY SERVICES, LP

PO BOX 841903 DALLAS, TX 75284-1903

801 CHERRY ST, STE 2100 FORT WORTH, TX 76102

SUB TOTAL

4,145.25 113.32

INVOICE TOTAL

4,258.57



------CODE NO Page 10/09/2013 1 764 1 of 1 INVOICE NUMBER 1718 - 91305534

Pratt

(620) 672-1201

B TOTO ENERGY LLC

I 25815 OAK RIDGE DRIVE

\_ SPRING

TX US

77380

o ATTN:

ACCOUNTS PAYABLE

27-1 LEASE NAME Werner

LOCATION

**Edwards** COUNTY

STATE

Cement-New Well Casing/Pi JOB DESCRIPTION T

JOB CONTACT

JOB #	EQUIPMENT #	ENT # PURCHASE ORDER NO.			TE	RMS	DUE DATE	
40649178	27463				Net -	30 days	11/08/2013	
	<u></u>		QTY	U of	UNIT	PRICE	INVOICE	AMOUNT
For Service Dates	s: 10/04/2013 to 10	0/04/2013		••				
0040649178								
171808193A Ceme Cement 8 5/8" Surf	ent-New Well Casing/Pi 1	0/04/2013						
60/40 POZ Celloflake			320.00 74.00			8.04 2.48	I	2,572.80 183.45
Calcium Chloride			552.00			0.70	3	388.33 107.2
"Wooden Cmt Plug,			1.00 50.00			107.20 2.85	1	142.3
"Unit Mileage Chg ( Heavy Equipment M			100.00			4.69	1	469.0
	el. Chgs., per ton mil		690.00			1.07	1	739.6
Depth Charge; 0-50			1.00			670.00	•	670.0 300.1
Blending & Mixing S			320.00			0.94 167.50	•	300. 167.
Plug Container Util.			1.00 1.00			117.25	1	117.2
"Service Supervisor	, mst o ms on loc.							
		V						
-								

PLEASE REMIT TO:

SEND OTHER CORRESPONDENCE TO:

PO BOX 841903 DALLAS, TX 75284-1903

BASIC ENERGY SERVICES, LP BASIC ENERGY SERVICES, LP 801 CHERRY ST, STE 2100 FORT WORTH, TX 76102

SUB TOTAL

TAX

5,857.74 224.84

INVOICE TOTAL

6,082.58