

**Notice:** Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**WELL PLUGGING RECORD**  
K.A.R. 82-3-117

Form CP-4  
March 2009

Type or Print on this Form  
Form must be Signed  
All blanks must be Filled

OPERATOR: License #: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address 1: \_\_\_\_\_  
 Address 2: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_  
 Contact Person: \_\_\_\_\_  
 Phone: ( \_\_\_\_\_ ) \_\_\_\_\_  
 Type of Well: (Check one)  Oil Well  Gas Well  OG  D&A  Cathodic  
 Water Supply Well  Other: \_\_\_\_\_  SWD Permit #: \_\_\_\_\_  
 ENHR Permit #: \_\_\_\_\_  Gas Storage Permit #: \_\_\_\_\_  
 Is ACO-1 filed?  Yes  No If not, is well log attached?  Yes  No  
 Producing Formation(s): List All (If needed attach another sheet)  
 \_\_\_\_\_ Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_  
 \_\_\_\_\_ Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_  
 \_\_\_\_\_ Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_

API No. 15 - \_\_\_\_\_  
 Spot Description: \_\_\_\_\_  
 \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 \_\_\_\_\_ Feet from  North /  South Line of Section  
 \_\_\_\_\_ Feet from  East /  West Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
 County: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_  
 Date Well Completed: \_\_\_\_\_  
 The plugging proposal was approved on: \_\_\_\_\_ (Date)  
 by: \_\_\_\_\_ (KCC District Agent's Name)  
 Plugging Commenced: \_\_\_\_\_  
 Plugging Completed: \_\_\_\_\_

Show depth and thickness of all water, oil and gas formations.

Oil, Gas or Water Records		Casing Record (Surface, Conductor & Production)			
Formation	Content	Casing	Size	Setting Depth	Pulled Out

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Plugging Contractor License #: \_\_\_\_\_ Name: \_\_\_\_\_  
 Address 1: \_\_\_\_\_ Address 2: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_  
 Phone: ( \_\_\_\_\_ ) \_\_\_\_\_  
 Name of Party Responsible for Plugging Fees: \_\_\_\_\_  
 State of \_\_\_\_\_ County, \_\_\_\_\_, ss.  
 \_\_\_\_\_  Employee of Operator or  Operator on above-described well,  
 (Print Name)

being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God.

Submitted Electronically

# FIELD TICKET

**Client** MERIT ENERGY COMPANY

**Well** Unruh 1-7

**Job Description** Plug & Abandon

**Date** January 24, 2018

**Field Ticket #** FT-03053-X6F6K90202-32186



**Field Ticket #** FT-03053-X6F6K90202-32186

**Credit Approval #**

**Client** MERIT ENERGY COMPANY

**Purchase Approval #**

PO BOX 1293, LIBERAL, 67905-1293

**Invoice #**

**Field Rep** Hector Esqueda-Rivera

**Well** Unruh 1-7

**Field Client Rep** Rodney Gonzales

**Well API #** 15-081-22170

**District** Liberal, KS

**Well Type**

**Job Type** Plug & Abandon

**Well Classification**

**Job Depth (ft)** 0.00

**County** USA

**Gas Used On Job** No

**State/Province** KS

**Field**

**Lease**

# FIELD TICKET

Client MERIT ENERGY COMPANY

Well Unruh 1-7

Job Description Plug & Abandon

Date January 24, 2018

Field Ticket # FT-03053-X6F6K90202-32186



## MATERIALS

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
L488168	CEMENT, ASTM TYPE I	SK	96.0000	\$44.11	\$4,234.56	62.00	\$1,609.13
L100317	CEMENT, FLY ASH (POZZOLAN)	SK	64.0000	\$25.68	\$1,643.52	62.00	\$624.54
L100120	EXTENDER, BENTONITE	LB	551.0000	\$2.08	\$1,146.08	62.00	\$435.51
L100295	IntegraSeal CELLO	LB	40.0000	\$5.76	\$230.40	62.00	\$87.55
<b>Product Material Subtotal:</b>					<b>\$7,254.56</b>		<b>\$2,756.73</b>

## SERVICES

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
S-100004	Cement Crew Mobilization-Demobilization Fee	EA	1.00	\$10,880.00	\$10,880.00	90.00	\$1,088.000
S-100049	Cement pump charge, 1,001-2,000 feet/ 301-600 m	4/HR	1.00	\$4,680.00	\$4,680.00	90.00	\$468.000
S-100001	Mileage - vehicle heavy weight	MI	50.00	\$18.96	\$948.000	90.00	\$94.800
S-100002	Mileage - vehicle light weight	MI	50.00	\$10.72	\$536.000	90.00	\$53.600
<b>Service Subtotal:</b>					<b>\$17,044.00</b>		<b>\$1,704.40</b>

# FIELD TICKET

**Client** MERIT ENERGY COMPANY  
**Well** Unruh 1-7  
**Job Description** Plug & Abandon  
**Date** January 24, 2018



**Field Ticket #** FT-03053-X6F6K90202-32186

## FIELD ESTIMATES

**TOTAL GROSS AMOUNT** \$24,298.560  
**TOTAL % DISC** 81.640%  
**TOTAL NET AMOUNT** \$4,461.130

**Arrive Location**

**Client Rep.**

Well	Unruh 1-7
AFE	20576
GL	83001075
Office	Sublette
Date	1-24-18

### Service Order

I authorize work to begin per service instructions in accordance with the terms and conditions printed on the following pages of this form and represent that I have authority to accept and sign this order.

### Service receipt

I certify that the materials and services listed were received and all services performed in a workmanlike manner.

#### BJ REPRESENTATIVE

Hector Esqueda-Rivera

#### CLIENT AUTHORIZED AGENT

Rodney Gonzales

# Cementing Treatment



<b>Start Date</b>	1/24/2018	<b>Well</b>	Unruh 1-7
<b>End Date</b>	1/24/2018	<b>County</b>	Haskell
<b>Client</b>	MERIT ENERGY COMPANY	<b>State/Province</b>	KS
<b>Client Field Rep</b>	Rodney Gonzales	<b>API</b>	15-081-22170
<b>Service Supervisor</b>		<b>Formation</b>	
<b>Field Ticket No.</b>		<b>Rig</b>	
<b>District</b>	Liberal, KS	<b>Type of Job</b>	Plug & Abandon

## WELL GEOMETRY

---

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
------	---------	---------	-------------	---------	----------	-----------	-------	--------

**Shoe Length (ft):**

## HARDWARE

---

<b>Bottom Plug Used?</b>	No	<b>Tool Type</b>
<b>Bottom Plug Provided By</b>		<b>Tool Depth (ft)</b>
<b>Bottom Plug Size</b>		<b>Max Tubing Pressure - Rated (psi)</b>
<b>Top Plug Used?</b>	No	<b>Max Tubing Pressure - Operated (psi)</b>
<b>Top Plug Provided By</b>		<b>Max Casing Pressure - Rated (psi)</b>
<b>Top Plug Size</b>		<b>Max Casing Pressure - Operated (psi)</b>
<b>Centralizers Used</b>	No	<b>Pipe Movement</b>
<b>Centralizers Quantity</b>		<b>Job Pumped Through</b>
<b>Centralizers Type</b>		<b>Top Connection Thread</b>
<b>Landing Collar Depth (ft)</b>		<b>Top Connection Size</b>

## CIRCULATION PRIOR TO JOB

---

<b>Well Circulated By</b>		<b>Solids Present at End of Circulation</b>	No
<b>Circulation Prior to Job</b>	No	<b>10 sec SGS</b>	
<b>Circulation Time (min)</b>		<b>10 min SGS</b>	

# Cementing Treatment



**Circulation Rate (bpm)** 30 min SGS  
**Circulation Volume (bbls)** Flare Prior to/during the Cement Job No  
**Lost Circulation Prior to Cement Job** No Gas Present No  
**Mud Density In (ppg)** Gas Units  
**Mud Density Out (ppg)**  
**PV Mud In**  
**PV Mud Out**  
**YP Mud In**  
**YP Mud Out**

## TEMPERATURE

**Ambient Temperature (°F)** 15.00 **Slurry Cement Temperature (°F)** 55.00  
**Mix Water Temperature (°F)** 54.00 **Flow Line Temperature (°F)** 56.00

## BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Tail Slurry	Plug 1	13.8000	1.3684	6.59	50		
Tail Slurry	Plug 3	13.8000	1.4039	6.79	20		
Tail Slurry	Plug 2	13.8000	1.3684	6.59	40		
Tail Slurry	Mouse hole Plug	13.8000	1.3684	6.59	50		

Fluid Type	Fluid Name	Component	Concentration	UOM
Tail Slurry	Plug 1	CEMENT, ASTM TYPE I	60.0000	PCT
Tail Slurry	Plug 1	EXTENDER, BENTONITE	4.0000	LBS/SK
Tail Slurry	Plug 3	IntegraSeal CELLO	0.2500	LBS/SK
Tail Slurry	Plug 3	EXTENDER, BENTONITE	4.0000	LBS/SK
Tail Slurry	Plug 2	EXTENDER, BENTONITE	4.0000	LBS/SK

# Cementing Treatment



Tail Slurry	Plug 2	IntegraSeal CELLO	0.2500	LBS/SK
Tail Slurry	Plug 2	CEMENT, FLY ASH (POZZOLAN)	40.0000	PCT
Tail Slurry	Mouse hole Plug	BJ 40/60/4 POZ BLEND - CLASS A	100.0000	PCT
Tail Slurry	Plug 1	IntegraSeal CELLO	0.2500	LBS/SK
Tail Slurry	Plug 1	CEMENT, FLY ASH (POZZOLAN)	40.0000	PCT
Tail Slurry	Plug 3	CEMENT, FLY ASH (POZZOLAN)	40.0000	PCT
Tail Slurry	Plug 3	CEMENT, ASTM TYPE I	60.0000	PCT
Tail Slurry	Plug 2	CEMENT, ASTM TYPE I	60.0000	PCT
Tail Slurry	Mouse hole Plug	IntegraSeal CELLO	0.2500	LBS/SK

## TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)	Annulus Pressure (psi)	Comments
			Min		Max	Avg
			0.00		250.00	150.00
			3.00		6.00	5.00

## DISPLACEMENT AND END OF JOB SUMMARY

<b>Displaced By</b>		<b>Amount of Cement Returned/Reversed</b>	
<b>Calculated Displacement Volume (bbls)</b>		<b>Method Used to Verify Returns</b>	
<b>Actual Displacement Volume (bbls)</b>		<b>Amount of Spacer to Surface</b>	
<b>Did Float Hold?</b>	Yes	<b>Pressure Left on Casing (psi)</b>	
<b>Bump Plug</b>	No	<b>Amount Bled Back After Job</b>	
<b>Bump Plug Pressure (psi)</b>		<b>Total Volume Pumped (bbls)</b>	
<b>Were Returns Planned at Surface</b>	No	<b>Top Out Cement Spotted</b>	No
<b>Cement returns During Job</b>		<b>Lost Circulation During Cement Job</b>	No

## CEMENT PLUG

# Cementing Treatment



---

<b>Bottom of Cement Plug?</b>	No	<b>Wiper Balls Used?</b>	No
<b>Wiper Ball Quantity</b>		<b>Plug Catcher</b>	No
<b>Number of Plugs</b>			

## SQUEEZE

---

<b>Injection Rate (bpm)</b>	<b>Fluid Density (ppg)</b>
<b>Injection Pressure (psi)</b>	<b>ISIP (psi)</b>
<b>Type of Squeeze</b>	<b>FSIP (psi)</b>
<b>Operators Max SQ Pressure (psi)</b>	

## COMMENTS

---

### Treatment Report

#### Job Summary

1st plug  
50sks 12.11bbl/slurry  
22.1bbl displacement with mud  
2nd plug  
40sks 9.68bbl/slurry  
9.8bbl displacement with water  
3rd plug  
20sks 4.84bbl/slurry  
to surface  
plug RAT/MOUSE holes