



Customer: Great Western Operating Company	Rig: 14	Cement Unit: CP7
Company Foreman: David Lang	Date: 5/30/2021	
Well Name: Gutshall 1	Invoice Number: CT02472	
Start time: 8:00AM	End Time: 12:00PM	

#### Job Log:

CP7, Drove to location, signed JSA, spot in equipment and rigged up, wait for rig to be ready for cement  
Had safety meeting, RU valve, pressure test lines to 2,000 psi. Surface 8 5/8", 7 7/8" open hole.

Status: 200sx G cement 2% CACL BWOW, yield 1.15, 15.8#, 5bbl h2o lead, max pressure 300 psi, EOT 5204', TOC 4524, displacement 23 bbl h2o, 1 gallon defoamer used, wash out unit, clean location.

#### Service and Equipment Charges

Description	Unit	Quantity	Price	Net Amount
Restraints, high pressure iron	per job	1		
4 hour cementer charge	by 4 hours	1		
Environmental fee*	per job	1		
Pickup mileage	per mile	50		
Cement Pump and Pneumatic Bulker mileage	per mile	200		
Data Acquisition System	per job	0		
Bulk material mixing service charge	cubic foot	200		
Additional pneumatic hours (non discounted)	per hour	0		
Additional cement pump hours (non discounted)	per hour	0		
Cut and Cap fee	per request	0		
Fresh Water Transport	per hour	6		
Fresh water	per bbl.	80		

#### Service and Equipment Totals

#### Material & Products

Description	Unit	Quantity
Class G neat cement	Per sack	200
Thermal Cement (Class G with 35% silica flour)	Per sack	
Defoamer	Per Gallon	1
Calcium Chloride (CaCl)	Per pound	166
Retarder	Per Gallon	0
SAPP	Per sack	0
Thixotropic Cement (IWS 13, IWS EXP, CaCl2, Fluid Loss)	Per sack	

#### Material & Product Totals



Customer: Great Western Operating Company	Rig: 14	Cement Unit: CP7
Company Foreman: David Lang	Date: 5/31/2021	
Well Name: Gutshall 1	Invoice Number: CT02473	
Start time: 7:00AM	End Time: 4:00PM	

#### Job Log:

CP7, Drove to location, signed JSA, spot in equipment and rigged up, wait for rig to be ready for cement  
Had safety meeting, RU valve, pressure test lines to 2,000 psi. Surface 8 5/8", 7 7/8" open hole.

Status: 50sx G cement , yield 1.15 , 15.8# , 5bbl h20 lead , max pressure 500 psi , EOT 4802' , TOC 4632' , displacement 23 bbl h20 , 1 gallon defoamer used, wait on rig crew to POOH , 200sx G cement 2% CACL BWOW , yield 1.15 , 15.8 # , 5bbl h20 lead , max pressure 300 psi , EOT 2500 , TOC 1820' , displacement 8.5 bbl h20 , 1 gallon defoamer used , WOC , Switch bulkers trucks, get water , 200sx G cement 2%CACL BWOW , 5 bbl lead , max pressure 300 psi , EOT 1581' , TOC 901' , displacement 3 bbl h20 , 1 gallon defoamer used , washed unit , cleaned location



#### Service and Equipment Charges

Description	Unit	Quantity	Price	Net Amount
Restraints, high pressure iron	per job	2		
4 hour cementer charge	by 4 hours	2		
Environmental fee*	per job	2		
Pickup mileage	per mile	100		
Cement Pump and Pneumatic Bulker mileage	per mile	250		
Data Acquisition System	per job	0		
Bulk material mixing service charge	cubic foot	450		
Additional pneumatic hours (non discounted)	per hour	3		
Additional cement pump hours (non discounted)	per hour	3		
Cut and Cap fee	per request	0		
Fresh Water Transport	per hour	10		
Fresh water	per bbl.	160		

#### Service and Equipment Totals

#### Material & Products

Description	Unit	Quantity
Class G neat cement	Per sack	450
Thermal Cement (Class G with 35% silica flour)	Per sack	
Defoamer	Per Gallon	3
Calcium Chloride (CaCl)	Per pound	350
Retarder	Per Gallon	0
SAPP	Per sack	0
Thixotropic Cement (IWS 13, IWS EXP, CaCl2, Fluid Loss)	Per sack	

#### Material & Product Totals



Customer: Great Western Operating Company	Rig: Hurricane Cement Unit: CP7
Company Foreman: David Lang	Date: 6/4/2021
Well Name: Gutshall 1	Invoice Number: CT02477
Start time: 9:30AM	End Time: 5:30PM

**Job Log:**

CP7, Drove to location, spot in equipment and rigged up, wait for rig to be ready for cement.

Status: 2 7/8" 7.9# inside 6 1/2" open hole 10 bbl IWS mudflush lead, 40 sx G cement 3% CACL BWOW, 16#, yield 1.15, EOT <sup>2015</sup> ~~2014~~, TOC ~~1814~~

1815

**Service and Equipment Charges**

Description	Unit	Quantity	Price	Net Amount
Restraints, high pressure iron	per job	2		
4 hour cementer charge	by 4 hours	2		
Environmental fee*	per job	2		
Pickup mileage	per mile	100		
Cement Pump and Pneumatic Bulker mileage	per mile	200		
Data Acquisition System	per job	0		
Bulk material mixing service charge	cubic foot	40		
Additional pneumatic hours (non discounted)	per hour	0		
Additional cement pump hours (non discounted)	per hour	0		
Cut and Cap fee	per request	0		
Fresh Water Transport	per hour	10		
Fresh water	per bbl.	80		

**Service and Equipment Totals**
**Material & Products**

Description	Unit	Quantity
<u>Class G neat cement</u>	Per sack	<u>40</u>
Thermal Cement (Class G with 35% silica flour)	Per sack	
Defoamer	Per Gallon	1
Calcium Chloride (CaCl)	Per pound	50
Retarder	Per Gallon	0
Mud Flush	Per sack	10
Thixotropic Cement (IWS 13, IWS EXP, CaCl2, Fluid Loss)	Per sack	

**Material & Product Totals**



Customer: Great Western Operating Company	Rig: Hurricane Cement Unit: CP7
Company Foreman: David Lang	Date: 06/05/2021
Well Name: Gutshall 1	Invoice Number: CT02478
Start time: 8:00AM	End Time: 5:30PM

**Job Log:**

CP7, Drove to location, spot in equipment and rigged up, wait for rig to be ready for cement.

Status: 2 7/8" EOT 1829', 7.9# inside 6 1/2" open hole, circ hole with 5 bbl H2O, 122 sx G cement 2% CACL BWOW, 15.9#, yield 1.15, 36.25 of slurry, TOC 1229', displacement 6 bbl h2o, cleaned out unit, wait 4.5 hrs. Rig RIH and tag @ 1442'

Status: 2 7/8" EOT 1442', 7.9# inside 7-7/8" open hole, circ hole with 5 bbl H2O, 200 sx G cement 2% CACL BWOW, 15.9#, yield 1.15, 41 bbl of slurry, TOC 762', displacement 3.7 bbl H2O, cleaned out unit, P/U. SDFN 2 gallons of defoam used in slurry's

EOT 1426' TOC 746'

**Service and Equipment Charges**

Description	Unit	Quantity	Price	Net Amount
Restraints, high pressure iron	per job	2		
4 hour cementer charge	by 4 hours	2		
Environmental fee*	per job	2		
Pickup mileage	per mile	100		
Cement Pump and Pneumatic Bulker mileage	per mile	200		
Data Acquisition System	per job	0		
Bulk material mixing service charge	cubic foot	322		
Additional pneumatic hours (non discounted)	per hour	0		
Additional cement pump hours (non discounted)	per hour	0		
Cut and Cap fee	per request	0		
Fresh Water Transport	per hour	11		
Fresh water	per bbl.	80		

**Service and Equipment Totals**
**Material & Products**

Description	Unit	Quantity
Class G neat cement	Per sack	322
Thermal Cement (Class G with 35% silica flour)	Per sack	
Defoamer	Per Gallon	2
Calcium Chloride (CaCl)	Per pound	300
Retarder	Per Gallon	0
Mud Flush	Per sack	0
Thixotropic Cement (IWS 13, IWS EXP, CaCl2, Fluid Loss)	Per sack	

**Material & Product Totals**



Customer: Great Western Operating Company	Rig: Hurricane Cement Unit: CP7
Company Foreman: David Lang	Date: 06/06/2021
Well Name: Gutshall 1	Invoice Number: CT02479
Start time: 8:00AM	End Time: 12:30PM

#### Job Log:

CP7, Drove to location, spot in equipment and rigged up, wait for rig to be ready for cement.  
 Status: 2 7/8" TAG EOT 677' , 7.9# inside 7-7/8" open hole, circ hole with 5 bbl H2O , 395 sx G cement 2% CACL BWOW , 15.9# , yield 1.15 ,  
 81 bbl of slurry, TOC 0' , displacement 0 bbl h2o , Plug 437' in 7-7/8 and 240' in 10-3/4 casing a 677' plug, wait rig POOH, NDBOP"S, top  
 well off with 25 sacks ,cleaned out unit  
 2 gallons of defoam used in slurry's

*pump from 651'*

#### Service and Equipment Charges

Description	Unit	Quantity	Price	Net Amount
Restraints, high pressure iron	per job	1		
4 hour cementer charge	by 4 hours	1		
Environmental fee*	per job	1		
Pickup mileage	per mile	100		
Cement Pump and Pneumatic Bulker mileage	per mile	250		
Data Acquisition System	per job	0		
Bulk material mixing service charge	cubic foot	420		
Additional pneumatic hours (non discounted)	per hour	0		
Additional cement pump hours (non discounted)	per hour	0		
Cut and Cap fee	per request	0		
Fresh Water Transport	per hour	8		
Fresh water	per bbl.	80		

#### Service and Equipment Totals

#### Material & Products

Description	Unit	Quantity
Class G neat cement	Per sack	420
Thermal Cement (Class G with 35% silica flour)	Per sack	
Defoamer	Per Gallon	2
Calcium Chloride (CaCl)	Per pound	250
Retarder	Per Gallon	0
Mud Flush	Per sack	0
Thixotropic Cement (IWS 13, IWS EXP, CaCl2, Fluid Loss)	Per sack	

#### Material & Product Totals