

TICKET	BCO-1902-0015
DATE	2/5/2019
CREW INFORMATION	
SUPERVISOR	Derek Scott
PUMP UNIT	445046
NUMBERS	
ARRIVAL (D&T)	2/5/19 6:55 AM
DEPARTURE (D&T)	2/5/19 11:15 AM

[illegible][illegible]

Customer Name Printed \_\_\_\_\_

Customer Signature \_\_\_\_\_

Date Signed \_\_\_\_\_



# Job Summary

Ticket Number

TN#

BCO-1902-0015

Ticket Date

2/5/2019

COUNTY	COMPANY	API Number
Weld	PDC ENERGY	05-123-22890
WELL NAME	RIG	JOB TYPE
Howard Lake 11-9	Ensign 354	Plug to Abandon
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.505634 -104.562796	Derek Scott	Eduardo Chavez

## EMPLOYEES

## WELL PROFILE

Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	

## Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	7.87	541	1800		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

## Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24		0	541		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	10.5		1800	1939		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7		0	1939		

## CEMENT DATA

Stage 1:	From Depth (ft):	1201	To Depth (ft):	1939
Type: Balanced Plug	Volume (sacks):	255	Volume (bbls):	60.4
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
1005 Neat Type 3		14.8	1.33	6.32

Stage 2:	From Depth (ft):	0	To Depth (ft):	940
Type: Surface Plug	Volume (sacks):	233	Volume (bbls):	55
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% Neat Type 3		14.8	1.33	6.32

Stage 3:	From Depth (ft):	0	To Depth (ft):	0
Type: Top Off	Volume (sacks):	13	Volume (bbls):	3
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% Neat Type 3		14.8	1.33	6.32

Stage 4:	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.

## SUMMARY

Preflushes:	9 bbls of	Fresh Water	Calculated Displacement (bbl):	4.6	Stage 1	Stage 2
	bbls of		Actual Displacement (bbl):	3.3		
	bbls of					
Total Preflush/Spacer Volume (bbl):	9		Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Slurry Volume (bbl):	118.4		Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	130.7					
Returns to Surface:	Cement	2 bbls				


Job Notes (fluids pumped / procedures / tools / etc.):

Job went well.


Customer Representative Signature:

Thank You For Using  
CJES O-TEX Cementing



	PDC ENERGY	YARD CALL	2/5/2019	4:30	DISTRICT	
	Howard Lake 11-9	RTS DATE	2/5/2019	7:00 AM	Brighton	
		YARD RTN	2/5/2019	12:15 PM		
CUSTOMER INFORMATION		1.08c				
Customer Name	PDC ENERGY	WELL INFORMATION		WELL DATA		
Customer #:	1000700	API #:	05-123-22890	Casing Size	8.625 4.5	
AFE #:		Field Name:	Wattenberg	Depth	541 1939	
Cust Rep on Loc:	Eduardo Chavez	Well Name:	Howard Lake 11-9	TVD		
Cust Phone #:	970-397-0599	Well Type:	Oil	MD		
Order Placed By:	Eduardo Chavez	Formation:	DKJNC	OH	7.87	
Phone #:		Rig Contractor:	Ensign	OH Depth	1800	
Proposed Job Amt:	\$18,210.31	Rig Name/Num.:	Ensign 354	BHST	60°F	
JOB INFORMATION		Rig Phone:		BHCT	0°F	
Ticket #:	BCO-1902-0015	County:	Weld	Est. BHST/BHCT 60°F / 0°F (API) (0.00°F/100ft)		
PO #:		State:	CO	MD / TVD 000 ft		
Order Taken By:	Milo	Latitude:	40.505634	Mud Weight & Type		
Order Date:		Longitude:	-105	Open Hole	14 in. O.H. (541 to 1,800 ft)	
CJES Acct. Manager:	Cody Michel	Township:	NWNW 9 6N64W	Previous Casing 8.625 in. 24# (0 to 541 ft) 4.5 in. 10.5# (1,800 to 1,939 ft)		
CJES Engineer	Cody Michel	Quote Number:	1-BCO_190131153322	TOP CONNECTION		
				Size	Type Thread	
				2 3/8	Swage	
				JOB TYPE		
				Plug to Abandon		
COMMENTS						
SPECIAL JOB INSTRUCTIONS						
100# sugar						
DIRECTIONS TO WELL						
CR 55 & CR 72, W .8, S into						
Emergency Contacts						
Nearest Hospital	Greeley, CO			Phone Number:	911	
Police Department	Greeley, CO			Phone Number:	911	
Fire Department	Greeley, CO			Phone Number:	911	
Designated Emergency Vehicle	C&J Pickup			Vehicle Location: On location		
MSDS on Dash of Emergency Vehicle? (y/n)	Yes, on computer					
Muster Area #1	Lease Entrance					
Muster Area #2	Wind depending					
Cell Phone Service on location? (y/n)	Yes					
If not, nearest working phone						
Iron Tracking						
	Taken Out			Returned		
Iron Type	Taken By	Date Out	Time Out	Returned By	Date In	Time In



	PDC ENERGY	YARD CALL	2/5/2019	4:30	DISTRICT	
	Howard Lake 11-9	RTS DATE	2/5/2019	7:00 AM	Brighton	
		YARD RTN	2/5/2019	12:15 PM		

Personnel/Equipment					
Driver	Assignment	Tractor	Trailer	Comments	
Derek Scott	Supervisor	131151	449093		
Chad Brantley	Pumper	745046	445046		
Nick Marcos	Bulker	746075	446117		
David Cicalla	Bulker	927302	990476		

BLEND INFO					
Amount	Units	System/Additives	Density (ppg)	Yield (cuft/sk)	Water Req. (gal/sk)
0	sx	5 bbl Water			
5.00	bbl				
255.00	sx	Balance Plug			
59.34	bbl	100 % CJ922	14.8	1.33	6.32
545	sx	Surface Plug			
110.42	bbl	100 % CJ922	14.8	1.33	6.32
0	sx	0			
0	sx				
0	sx				
0	sx				
0	sx				
0	sx				

**C&J ENERGY SERVICES**

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2/5/2019





Client	PDC Energy	Client Rep	Eduardo Chavez	Supervisor	Derek Scott
Ticket No.	19020015	Well Name	Howard Lake 11-9	Unit No.	445046
Location	NWNW 9-6N-64W	Job Type	Abandonment Plugs	Service District	Brighton, CO
Comments	See job log	Job Date	02/05/2019		

