

TICKET	BCO-1904-0031
DATE	4/8/2019
CREW INFORMATION	
SUPERVISOR	Brian Douglass
PUMP UNIT	445046
NUMBERS	
ARRIVAL (D&T)	4/8/19 7:00 AM
DEPARTURE (D&T)	4/8/19 10:00 AM

[illegible][illegible]

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

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

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

# Job Summary

Ticket Number

TN#

BCO-1904-0031

Ticket Date

4/8/2019

COUNTY	COMPANY	API Number
Weld	PDC ENERGY	05-123-24082
WELL NAME	RIG	JOB TYPE
CBO 11-32	Ensign 354	Plug to Abandon
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.53569 -104.46728	Brian Douglass	Eduardo Chavez

## EMPLOYEES

Anthony Nelson		
Aaron Davidson		

## 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)
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	720		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	10.5		0	1911	0	924
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	1911	0	924

## CEMENT DATA

Stage 1:	From Depth (ft):	1320	To Depth (ft):	1911
Type: Balance Plug	Volume (sacks):	40	Volume (bbbls):	9.4

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% CJ922	14.8	1.33	6.32

Stage 2:	From Depth (ft):	125	To Depth (ft):	924
Type: Surface Plug	Volume (sacks):	68	Volume (bbbls):	16

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% CJ922	14.8	1.33	6.32

Stage 3:	From Depth (ft):	0	To Depth (ft):	125
Type: Top Off	Volume (sacks):	10	Volume (bbbls):	2

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% CJ922	14.8	1.33	6.32

Stage 4:	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbbls):	

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

## SUMMARY

			Stage 1	Stage 2
Preflushes:	10 bbls of Fresh Water	Calculated Displacement (bbl):	5.5	
	bbls of	Actual Displacement (bbl):	5.2	
	bbls of			
Total Preflush/Spacer Volume (bbl):	10	Plug Bump (Y/N):	n/a	Bump Pressure (psi): n/a
Total Slurry Volume (bbl):	27.4	Lost Returns (Y/N):	n (if Y, when)	
Total Fluid Pumped	32.6			
Returns to Surface:	Cement	1 bbls		

Job Notes (fluids pumped / procedures / tools / etc.): pumped job per program and customers request

 Thank You For Using  
 CJES O-TEX Cementing

Customer Representative Signature:



## Cement Job Log



Customer:	PDC ENERGY	Date:	4/8/2019	Serv. Supervisor:	Brian Douglass		
Cust. Rep.:	Eduardo Chavez	Ticket #:	BCO-1904-0031	Serv. Center	Brighton - 3021		
Lease:	CBO 11-32	API Well #:	05-123-24082	County:	Weld	State:	CO
Well Type:	Oil	Rig:	Ensign 354	Type of Job:	Plug to Abandon		
Materials Furnished by C&J ENERGY SERVICES							
Plugs	Casing Hardware	Physical Slurry Properties					
		Sacks of Cement	Fluid Dens (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)
10 bbl water							10.00
Balance Plug	100 % CJ922	40	14.8		1.33	6.32	9.44
Surface Plug	100 % CJ922	78	14.8		1.33	6.32	18.00
Fresh Water	Displacement		8.34				5.20
Displacement Chemicals:							

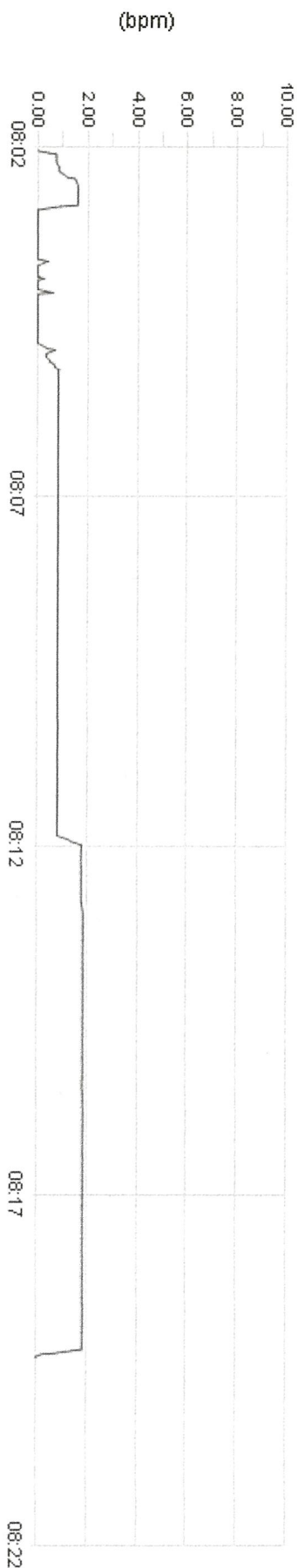


Client  
Ticket No. 31  
Location  
Comments PLUG 1

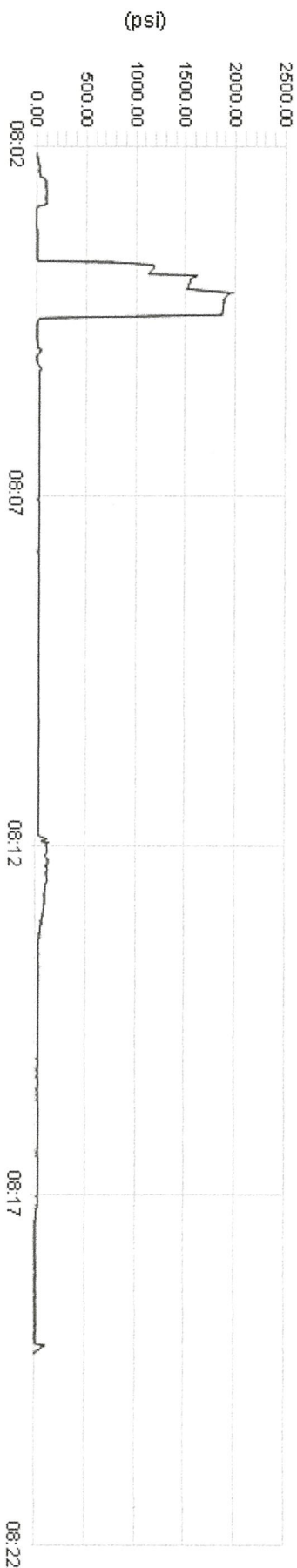
Client Rep  
Well Name  
Job Type  
EDUARDO CHAVEZ  
CBON 11-32  
Abandonment Plugs

Supervisor  
Unit No.  
Service District  
Job Date  
BRIAN DOUGLASS  
445046  
BRIGHTON  
04/08/2019

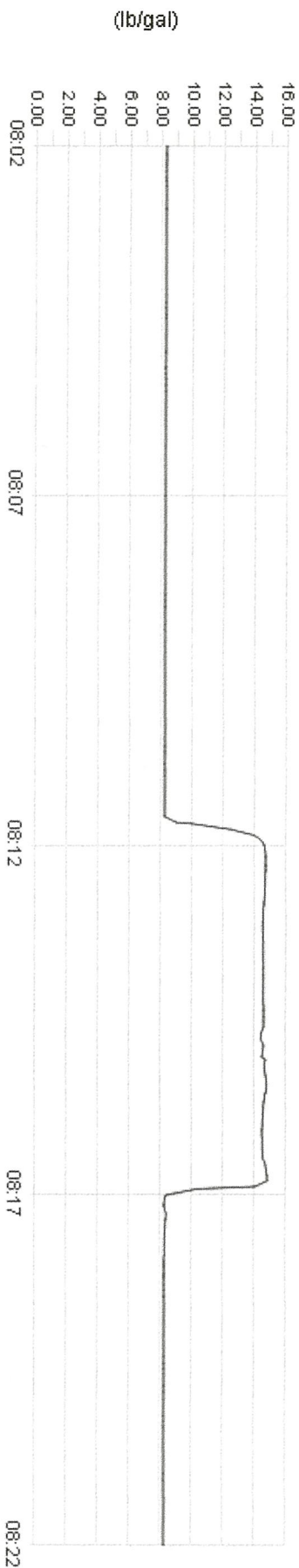
Unit 445046 Rate Total



Unit 445046 Pump Pressure



Unit 445046 Density



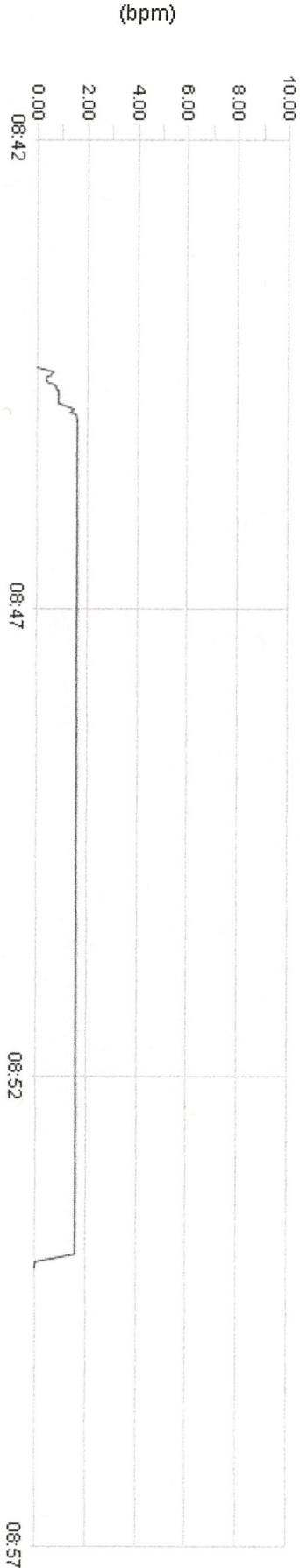


Client PDC  
Ticket No. 31  
Location  
Comments PLUG 2

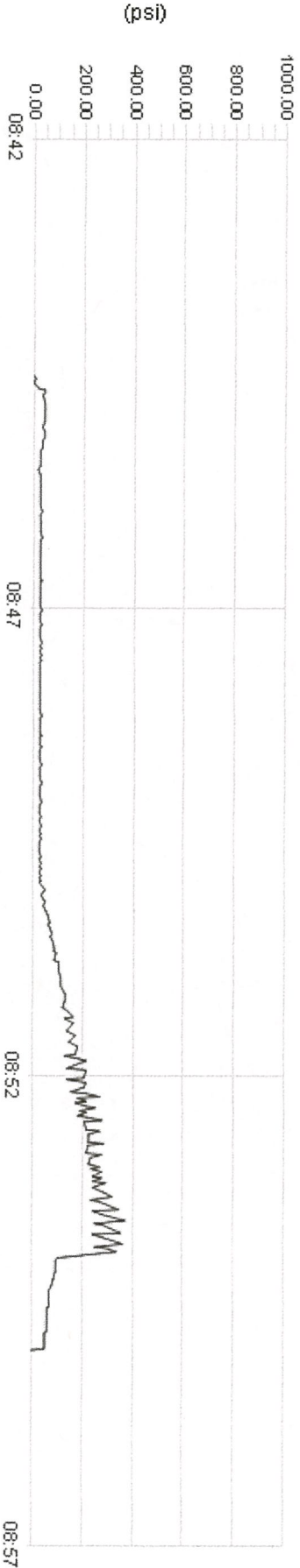
Client Rep EDUARDO CHAVEZ  
Well Name CBON 11-32  
Job Type Abandonment Plugs

Supervisor BRIAN DOUGLASS  
Unit No. 445046  
Service District BRIGHTON  
Job Date 04/08/2019

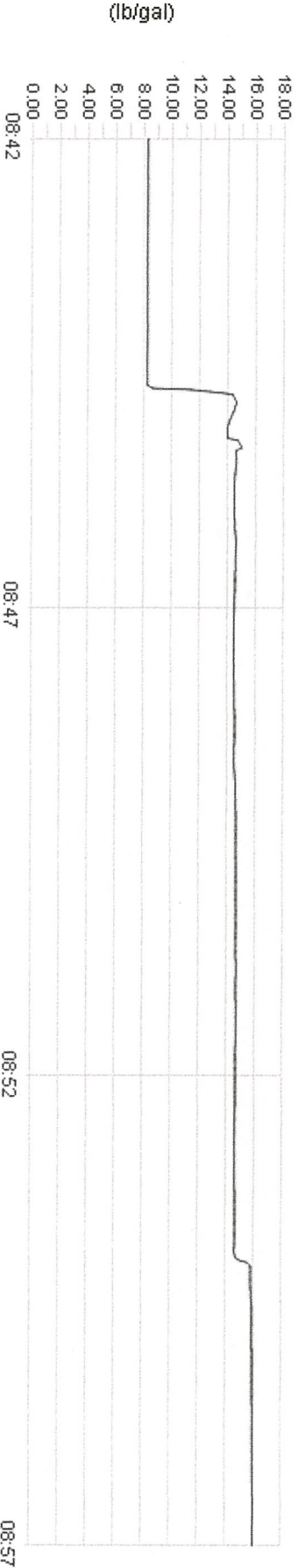
Unit 445046 Rate Total



Unit 445046 Pump Pressure



Unit 445046 Density





CASEDHOLE SOLUTIONS									
Rev.032718 A		CUSTOMER P. O. NUMBER			SERVICE ORDER F1904		PAGE 1 of 1		
* Service charges include a daily per diem of \$30.00/employee and a daily catering charge (when provided by Casedhole Solutions) of \$25.00/employee.							DATE 4/5/2019		
To CASEDHOLE SOLUTIONS, INC. You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment:									
SERVICE(S) AND/OR EQUIPMENT REQUESTED									
CUSTOMER	COMPANY	PDC ENERGY							
FURNISHED	LEASE	CBO				WELL NUMBER	11-32		
LEASE/WELL	LEGAL & LOCATION	05-123-24082							
INFORMATION	FIELD	Wattenberg			PARISH/COUNTY	Weld		STATE	Colorado
THE UNDERSIGNED, HEREINAFTER REFERRED TO AS CUSTOMER AGREES TO PAY YOU FOR THE ABOVE SPECIFIED SERVICE(S) (INCLUDING LEASED EQUIPMENT) AND ANY ADDITIONAL SERVICE(S) REQUESTED, AT THE FIELD OFFICE OF CASEDHOLE SOLUTIONS, INC. IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF YOUR CURRENT PRICE SCHEDULE. IN CONSIDERATION OF THE PRICES AS ARE SET OUT IN YOUR CURRENT APPLICABLE PRICE SCHEDULE WE CHOOSE TO BE BOUND BY THE TERMS AND CONDITIONS SET OUT IN THE CURRENT PRICE SCHEDULE (ALSO PRINTED ON THE REVERSE SIDE HEREOF), INCLUDING THE ASSUMPTION BY US OF THE LIABILITIES AND RESPONSIBILITIES CONTAINED IN THE RESPONSIBILITIES HEREIN ASSUMED BY US. WHEN SIGNED BY AN AGENT ON BEHALF OF CUSTOMER, SAID AGENT REPRESENTS THAT HE HAS FULL AUTHORITY FROM HIS PRINCIPAL TO EXECUTE SAME, IN THE ABSENCE OF AUTHORITY, THE SIGNER AGREES THAT HE SHALL BE OBLIGATED HEREUNDER AS CUSTOMER.									
CUSTOMER NAME PDC ENERGY									
INVOICE MAILING ADDRESS					CITY		STATE		ZIP CODE
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE									
X					Thank you for using Casedhole Solutions!!			Total runs, all pages	5
THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEDHOLE SOLUTIONS, INC. ACCOUNTING									
UNIT NUMBER	OPERATION TYPE: DAYLIGHT		WELL TYPE: WORKOVER		ROUND TRIP MILEAGE				
92-3856	TRIP: FIRST		HOISTING TYPE: WORKOVER RIG						
WIRELINE DEPTH		MAX. WELLHEAD PRESSURE		PSI		BOTTOM HOLE PRESSURE:		PSI	
DESC. NO.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC. PRICE	AMOUNT	SERVICE
1	No Tag - 6850'		P - Packoff	each	1				
2		6845'	P - Plug or Retainer - setting (3rd party)	each	1				
3		6845'	P - Dump Baller w/ 2sx Cement		1				
4		6548'	P - Plug or Retainer - setting (3rd party)		1				
5		6548'	P - Dump Baller w/ 2sx Cement		1				
STANDARD PRICING									
Runs for this job made in April were 5									
ESTIMATED TOTAL C									
THE SERVICE(S) AND/OR EQUIPMENT COVERED BY THIS SERVICE ORDER HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE									
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE X Eduardo Chavez Chavez					SIGNATURE OF CASEDHOLE SOLUTIONS ENGINEER Meisner, Jacob				
CASING/TUBING RECORD		TO		PERM. DEPTH DATUM		GROUND LEVEL		ELEV.	ELEV K.B.
SIZE	WEIGHT	TYPE	FROM	LOG MEAS. FROM		WHICH IS		ABOVE PERM DATUM	D.F. G.L.
		Casing 1		Fluid Type		Fluid Weight	Fluid Level	REMARKS	
		Casing 2		Water		8.345 lbs/gal	feet	District doing job: Fort Lupton, CO	
		Tubing		Bottom Hole Temperature		Degrees F		Line of Business: Completions	
		Liner						Type of Job:	
		Drill Pipe						Class: Vert. Domestic	
CASEDHOLE ENGINEER NAMES		WORK WITNESSED BY NAME						District job is in: Fort Lupton, CO	
Meisner, Jacob		Crew 1		Chavez				RC#:	
		Crew 2						Engineer:	
		Crew 3						MSA#:	
		Crew 4							
		Crew 5							
		Crew 6							