





# Job Summary

Ticket Number: **BCO-1912-0126** Ticket Date: **12/20/2019**

COUNTY	COMPANY	API Number
<b>Weld</b>	<b>PDC ENERGY</b>	<b>05-123-20222</b>
WELL NAME	RIG	JOB TYPE
<b>Hoshiko</b>	<b>Ensign 356</b>	<b>CM-P2A-PERM.</b>
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
<b>40.40114 -104.56681</b>	<b>Rich Devine</b>	<b>Bud Holman</b>

EMPLOYEES		

<b>WELL PROFILE</b>			
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)
	14	397	600	397	600
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	10	600	1510	600	1510

### 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 5/8	24		0	397	0	397
Production	4 1/2	10.5		1510	1584	1510	1584
Tubing	2 3/8	4.7		0	1574	0	1574

### CEMENT DATA

**Stage 1:**  
 Type: **Stub Plug**  
 From Depth (ft):  To Depth (ft):   
 Volume (sacks):  Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
Type III	14.8	1.33	6.32

**Stage 2:**  
 Type: **Surface Plug**  
 From Depth (ft):  To Depth (ft):   
 Volume (sacks):  Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
Type III	14.8	1.33	6.32

**Stage 3:**  
 Type: **Top Off**  
 From Depth (ft):  To Depth (ft):   
 Volume (sacks):  Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
Type III	14.8	1.33	6.32

### SUMMARY

Preflushes:	<input type="text" value="7"/> bbls of <input type="text" value="Fresh Water"/>	Calculated Displacement (bbl):	<input type="text" value="4.9"/>	Stage 1	Stage 2
	<input type="text" value=""/> bbls of <input type="text" value=""/>	Actual Displacement (bbl):	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
	<input type="text" value=""/> bbls of <input type="text" value=""/>	Plug Bump (Y/N):	<input type="text" value="N/A"/>	Bump Pressure (psi):	<input type="text" value="N/A"/>
Total Preflush/Spacer Volume (bbl):	<input type="text" value="7"/>	Lost Returns (Y/N):	<input type="text" value="N"/>	(if Y, when)	<input type="text" value=""/>
Total Slurry Volume (bbl):	<input type="text" value="74.3"/>				
Total Fluid Pumped	<input type="text" value="86.2"/>				
Returns to Surface:	<input type="text" value="Cement"/> <input type="text" value="0.5"/> bbls				

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

Stub Plug: Pumped 5 bbls of H2O. Mix 23.6 bbls of cement @ 14.8 ppg. Displace 4.9 bbls of H2O. Shut Down. Cement Coverage from 1279' - 1584' for 305'. Surface Plug: Establish Circulation. Mix 49.1 bbls of cement @ 14.8 ppg to surface. Shut Down. Top Off with 1.6 bbls of cement @ 14.8 ppg. Shut Down. Cement Coverage from 0' - 600'. Pumped job as per program

Customer Representative Signature: \_\_\_\_\_

**Thank You For Using  
NexTier Completion Solutions**



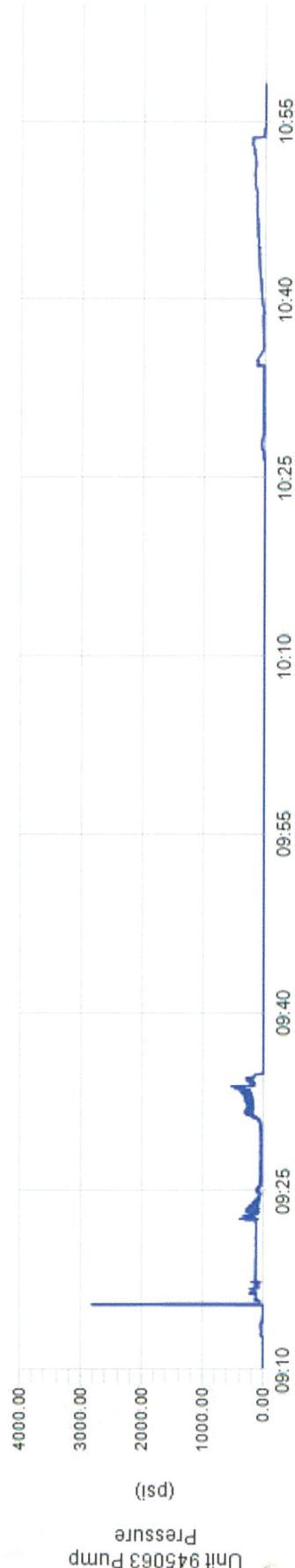
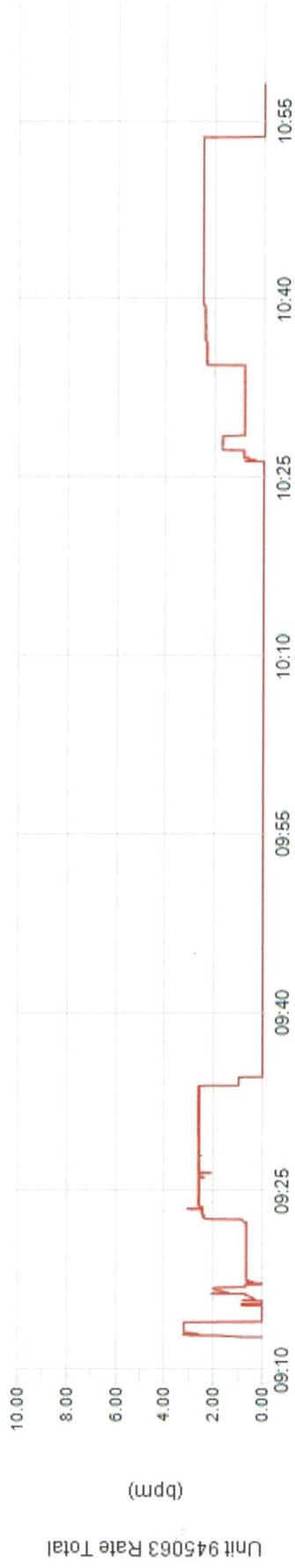




Client PDC ENERGY  
Ticket No. 19120126  
Location 40.40114-105  
Comments See Job Log

Client Rep BUD HOLMAN  
Well Name HOSHIKO 42-27  
Job Type Abandonment Plugs

Supervisor RICH DEVINE  
Unit No. 945063  
Service District BRIGHTON  
Job Date 12/20/2019



**CASED HOLE SOLUTIONS**



<b>Rev.042519 A</b>	CUSTOMER P. O. NUMBER	Ticket No. (SO) <b>F8162</b>	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 <b>12/19/2019</b>
To CASED HOLE 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

<b>CUSTOMER FURNISHED LEASE/WELL INFORMATION</b>	COMPANY	<b>PDC ENERGY</b>			
	LEASE	<b>Hoshiko</b>	WELL NUMBER	<b>42-17</b>	
	API	<b>05-123-20222</b>			
	FIELD	<b>Wattenberg</b>	PARISH/COUNTY	<b>Weld</b>	STATE <b>CO</b>

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 CASED HOLE 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 <b>PDC ENERGY</b>	INVOICE MAILING ADDRESS	CITY	STATE	ZIP CODE
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SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE <b>X</b>	Thank you for using Casedhole Solutions!!	Total runs, all pages	<b>7</b>
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THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASED HOLE SOLUTIONS, INC. ACCOUNTING

UNIT NUMBER <b>200100</b>	OPERATION TYPE: <input type="checkbox"/> DAYLIGHT	WELL TYPE: <input type="checkbox"/> WORKOVER	ROUND TRIP MILEAGE
TRIP: <input type="checkbox"/> FIRST	HOISTING TYPE: <input type="checkbox"/> WORKOVER RIG	WIRELINE DEPTH	MAX. WELLHEAD PRESSURE
		PSI	BOTTOM HOLE PRESSURE: PSI

Desc. NO.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC.	DISC. PRICE	AMOUNT	SERVICE	FIRST READING	LAST READING	FOOTAGE DEL.
1			P - Packoff	each	1					Plug			
2	No Tag - 6800'		P - Gauge Ring or Depth Determination	per run	1					Perf			
3		6762'	P - Plug or Retainer - setting (3rd party)	each	1								
4		6762'	P - Dump Bailer(2 SXs Cement)	per run	1								
5		6456'	P - Plug or Retainer - setting (3rd party)	each	1								
6		6456'	P - Dump Bailer(2 SXs Cement)	per run	1								
7	CBL - 1600'-0'		P - Cement Bond Log (2000' - Surface)	each	1								
8	Cut - 1510'		P - Jet Cutters (all)	each	1								
9													
10													

<b>Runs for this job made in December were 7</b>	STANDARD PRICING			
	TOTAL D			
	<b>ESTIMATED TOTAL C</b>			
	<b>NO</b>			
<b>Was catering provided by Casedhole Solutions?</b>				
<b>NO</b>				

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE <b>X</b> <i>Bud Holman</i> Bud Holman	LOGS RECEIVED AT WELL	CUST. INITIALS	SIGNATURE OF CASED HOLE SOLUTIONS ENGINEER <i>John K...</i> Meisner, Jacob
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