

TICKET	BCO-1908-0090	
DATE	8/22/2019	
CREW INFORMATION		
SUPERVISOR	Francisco Flores	
PUMP UNIT	445046	
NUMBERS		
ARRIVAL (D&T)	8/22/19 13:00	
DEPARTURE (D&T)	8/22/19 14:30	



# Job Summary

Ticket Number	Ticket Date
TN# BCO-1908-0090	8/22/2019

COUNTY	COMPANY	API Number
Weld	PDC ENERGY	05-123-20697
WELL NAME	RIG	JOB TYPE
Skurich Rothe - 6A	Ensign 354	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.425 -104.47469	Francisco Flores	Hector Terrazas

EMPLOYEES
Tyler Ingalls
Ryan Peterson

WELL PROFILE			
Max Treating Pressure (psi):	1000	Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

## 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)
Production	4.5	11.6	J55	1715	1600		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7	J55	1715	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

## CEMENT DATA

Stage 1:	From Depth (ft):	1715	To Depth (ft):	1301
Type: Stub Plug	Volume (sacks):	130	Volume (bbls):	30.8

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

## SUMMARY

Preflushes:	5 bbls of Fresh Water	Calculated Displacement (bbl):	5	Stage 1	Stage 2
		Actual Displacement (bbl):	5		
Total Preflush/Spacer Volume (bbl):	5	Plug Bump (Y/N):		Bump Pressure (psi):	
Total Slurry Volume (bbl):	30.8	Lost Returns (Y/N):		(if Y, when)	
Total Fluid Pumped	40.8				
Returns to Surface:	Mud 40.8 bbls				

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

Stub Plug- End of tubing@1715'. Production casing cut@1600'. 115' of coverage inside production casing & 299' of coverage in 10" O.H. ETOC@1301'. Displace it with 5 bbls of fresh water to balance out. Pumped job per customers request. Job went great. Thank you!

Thank You For Using  
CJES O-TEX Cementing

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

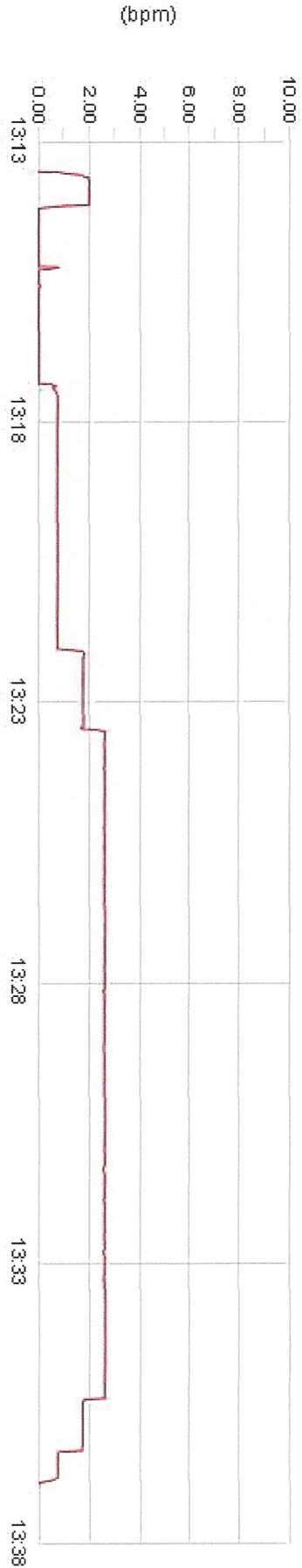


**C&J ENERGY SERVICES**

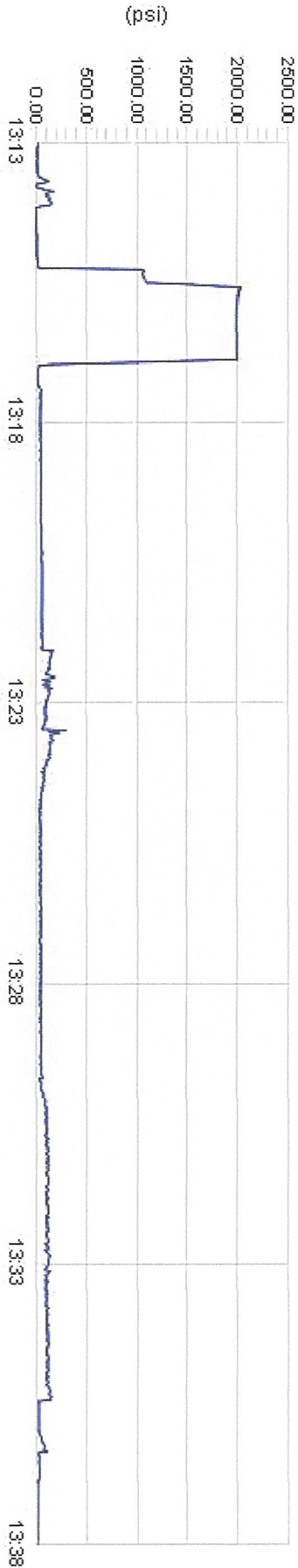
2 of 2  
8/22/2019

Client	PDC Energy	Client Rep	Hector Terrazas	Supervisor	Francisco Flores
Ticket No.	19080090	Well Name	Skurich Rothe 6A	Unit No.	445046
Location	SENV SEC 6 5N 63W	Job Type	Abandonment Plugs	Service District	Brighton
Comments	130sx@14.8ppg 1.33Y			Job Date	08/22/2019

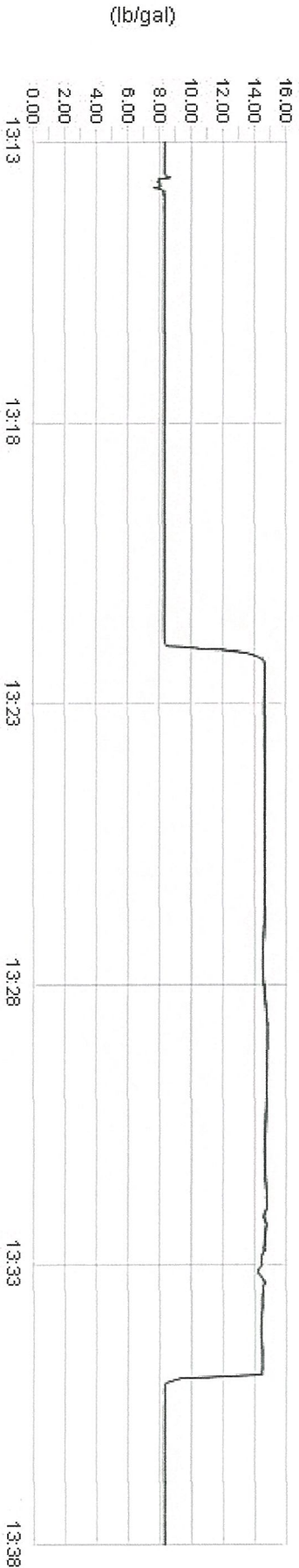
Unit 445046 Rate Total

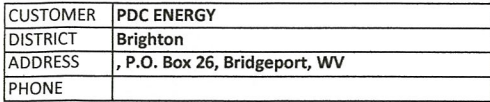


Unit 445046 Pump Pressure



Unit 445046 Density





TICKET	BCO-1908-0092	
DATE	8/23/2019	
CREW INFORMATION		
SUPERVISOR	Siarhei Dzmitryieu	
PUMP UNIT	94-4528	
NUMBERS		
ARRIVAL (D&T)	8/23/19 7:00	
DEPARTURE (D&T)	8/23/19 10:30	

### Service & Equipment Charges

[illegible]

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

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

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



# Job Summary

 Ticket Number  
 TN# **BCO-1908-0092** Ticket Date  
**8/23/2019**

COUNTY	COMPANY	API Number
<b>Weld</b>	<b>PDC ENERGY</b>	<b>05-123-20697</b>
WELL NAME	RIG	JOB TYPE
<b>Skurich Rothe - 6A</b>	<b>Ensign 354</b>	<b>CM-P2A-PERM.</b>
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
<b>40.425 -104.47469</b>	<b>Siarhei Dzmitryieu</b>	<b>Hector Terrazas</b>

EMPLOYEES
<i>Anthony Staples</i>
<i>Jake Guseman</i>

WELL PROFILE			
Max Treating Pressure (psi):	1000	Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

## Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	10	364	650	364	650
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	364	0	364
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	650	0	650
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

## CEMENT DATA

Stage 1:	From Depth (ft):		To Depth (ft):	
Type: <b>Shoe Plugs</b>	Volume (sacks):		Volume (bbls):	
Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.	

Stage 2:	From Depth (ft):	0	To Depth (ft):	650
Type: <b>Surface Plug</b>	Volume (sacks):	275	Volume (bbls):	65
Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.	
Type III	14.8	1.33	6.32	

Stage 3:	From Depth (ft):		To Depth (ft):	
Type: <b>Top Off</b>	Volume (sacks):		Volume (bbls):	
Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.	

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

## SUMMARY

Preflushes:	10 bbls of	Fresh Water	Calculated Displacement (bbl):	Stage 1	Stage 2
	bbls of		Actual Displacement (bbl):		
	bbls of				
Total Preflush/Spacer Volume (bbl):	10		Plug Bump (Y/N):		Bump Pressure (psi):
Total Slurry Volume (bbl):	65		Lost Returns (Y/N):	N (if Y, when)	
Total Fluid Pumped	75				
Returns to Surface:	Cement	7 bbls			

 Job Notes (fluids pumped / procedures / tools / etc.):  
 Pumped 10 bbl of fresh water, 275 sx of type III at 14.8/1.33 to bring cement to surface ( 7 bbl back to surface) per customer request.

Customer Representative Signature:

 Thank You For Using  
 CJES O-TEX Cementing

[illegible]



## Cement Job Log

<b>C&amp;J ENERGY SERVICES</b>											
Customer:	PDC ENERGY				Date:	8/23/2019		Serv. Supervisor: Siarhei Dzmitryiey			
Cust. Rep.:	Hector Terrazas				Ticket #:	BCO-1908-0092		Serv. Center Brighton - 3021			
Lease:	Skurich Rothe - 6A				API Well #:	05-123-20697		County:	Weld State: CO		
Well Type:	Oil				Rig:	Ensign 354		Type of Job: CM-P2A-PERM.			
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)	Mix Water (bbls)
5 bbl Water										5.00	
Surface Plug		100 % C1922			390	14.8		1.33	6.32	92.06	59
0											
0											
Displacement Chemicals:											
OPEN HOLE DATA		TUBULAR DATA									
10 in . (364-650 ')					SIZE WEIGHT	THREAD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
Mix Cemt. Temperature °F	Lead Temp.	Middle Temp.	Tail Temp.		2.375 4.7#		650		1.995		
PREVIOUS CASING DATA		PERFORATED INTERVAL DATA					CASING EQUIPMENT DEPTHS				
8.625 in. 24# ( 0 to 364 ft)		TOP		BTM		SPF	SIZE	SHOE	FLOAT	STAGE	ACP
WELL FLUID		DISPLACEMENT FLUID			DIFF PRESS (psi)	CSG LIFT (psi)	MAX PRESS (psi)	Total Number of Runs			WATER ON LOC (bbl)
TYPE	DENSITY	VOLUME	TYPE	DENSITY							
Water	8.3 ppg						1000				110

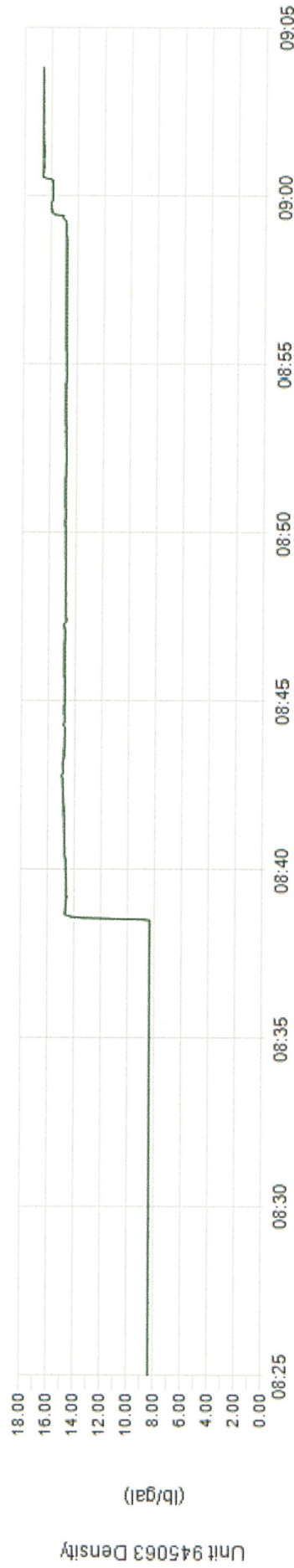
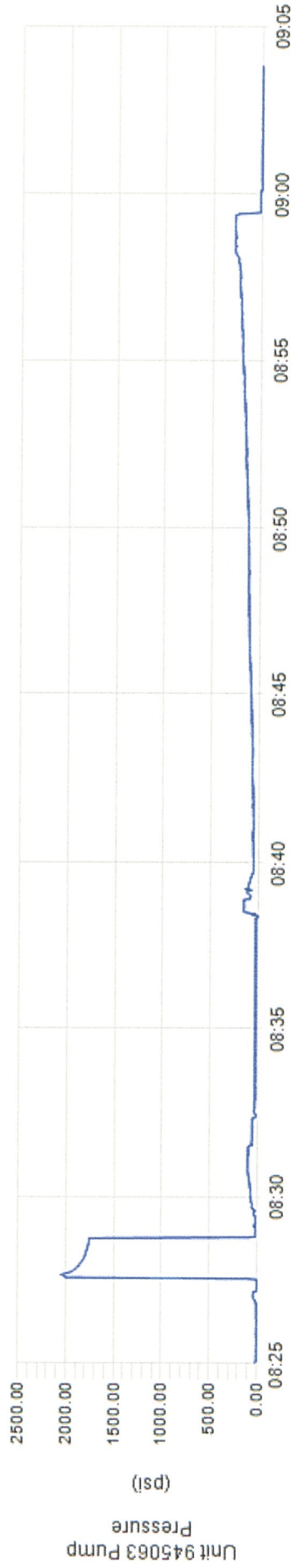
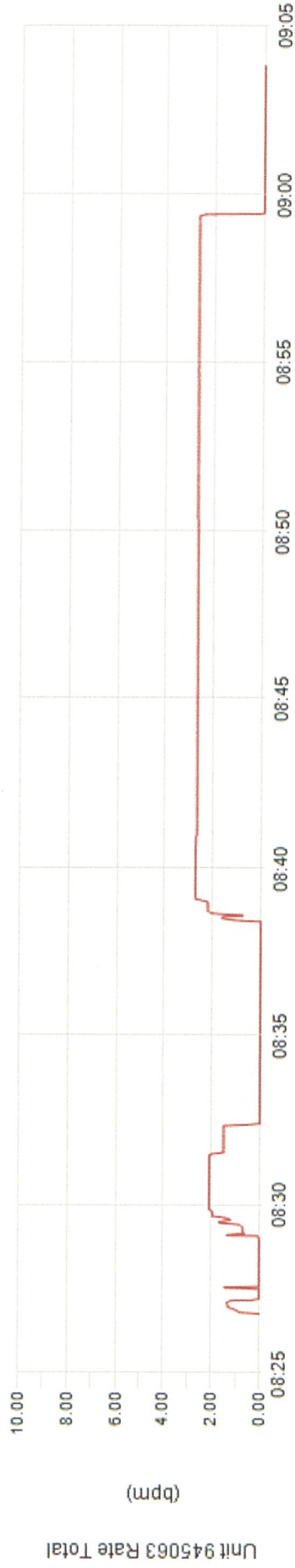




Client  
Ticket No. 19080092  
Location SE 6 5N 63W  
Comments See job log

Client Rep  
Well Name Skurich Rothe 6A  
Job Type Abandonment Plugs

Supervisor  
Unit No. 945063  
Service District Brighton CO  
Job Date 08/23/2019



## CASEHOLE SOLUTIONS



CASHEDHOLE SOLUTIONS		PAGE	
Rev.042519 A	CUSTOMER P. O. NUMBER	Ticket No. (SO) <b>F8057</b>	1 of 1
* Service charges include a daily per diem of \$30.00/employee and a daily catering charge (when provided by Cashedhole Solutions) of \$25.00/employee.			DATE
To CASHEDHOLE SOLUTIONS, INC You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment:			08/21/2019

SERVICE(S) AND/OR EQUIPMENT REQUESTED

CUSTOMER  FURNISHED  LEASE/WELL  INFORMATION	COMPANY	PDC ENERGY				
	LEASE	Skurich Rothe	WELL NUMBER	6A		
	LEGAL & LOCATION	05-123-20697				
	FIELD	Wattenberg	PARISH/COUNTY	Weld	STATE	CO

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

7

THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEHOLE SOLUTIONS, INC. ACCOUNTING

UNIT NUMBER 200100	OPERATION TYPE: DAYLIGHT	WELL TYPE: WORKOVER	ROUND TRIP MILEAGE
	TRIP: FIRST	HOISTING TYPE: WORKOVER RIG	
WIRELINE DEPTH	MAX. WELLHEAD PRESSURE	PSI	BOTTOM HOLE PRESSURE: PSI

[illegible]

STANDARD PRICE

Runs for this job made in August were 7

TOTAL

ESTIMATED TOTAL

Was catering provided by Casedhole Solutions?

NO

THE SERVICE(S) AND/OR EQUIPMENT COVERED BY THIS SERVICE ORDER HAVE BEEN PERFECTED

SIGNATURE OF CASED HOLE SOLUTIONS ENGINEER

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

LOGS  
RECEIVED  
AT WELL

CUST. INITIALS

Meisner, Jacob