



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		
<i>Tyler Ingalls</i>		
<i>Ryan Peterson</i>		

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

<u>Open Hole</u>						
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)	

<u>Casing/Tubing/Drill Pipe</u>							
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	
	bbls of		Actual Displacement (bbl):	5			
	bbls of		Plug Bump (Y/N):		Bump Pressure (psi):		
Total Preflush/Spacer Volume (bbl):	5		Lost Returns (Y/N):		(if Y, when)		
Total Slurry Volume (bbl):	30.8						
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!**

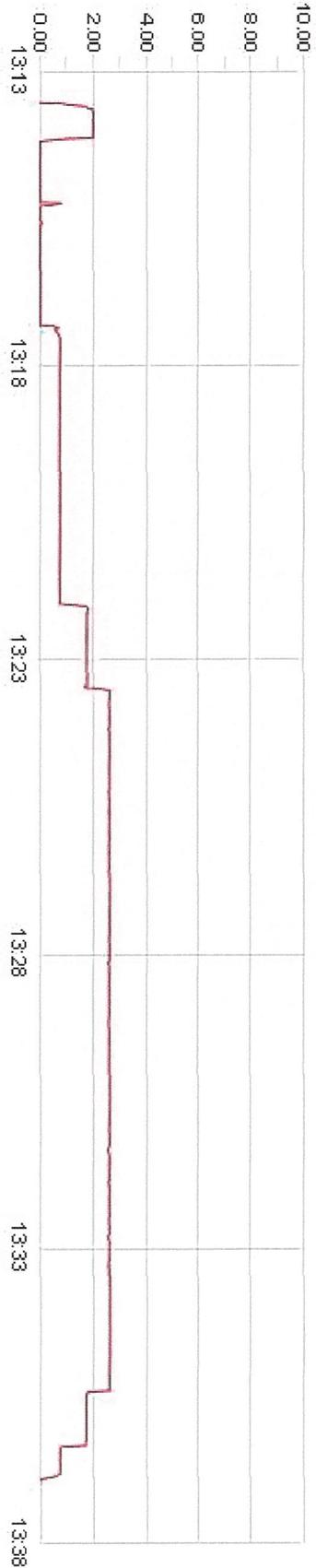
Customer Representative Signature: _____ **Thank You For Using CJES O-TEX Cementing**

Client: PDC Energy
Ticket No.: 19080090
Location: SENW/SEC 6 5N 63W
Comments: 130sx@14.8ppg 1.33Y

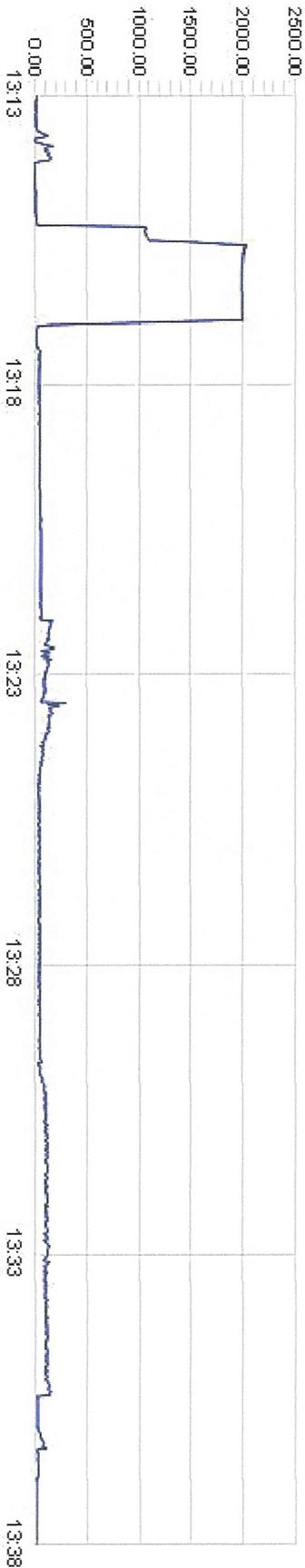
Client Rep: Hector Terrazas
Well Name: Skurich Rothe 6A
Job Type: Abandonment Plugs

Supervisor: Francisco Flores
Unit No.: 445046
Service District: Brighton
Job Date: 08/22/2019

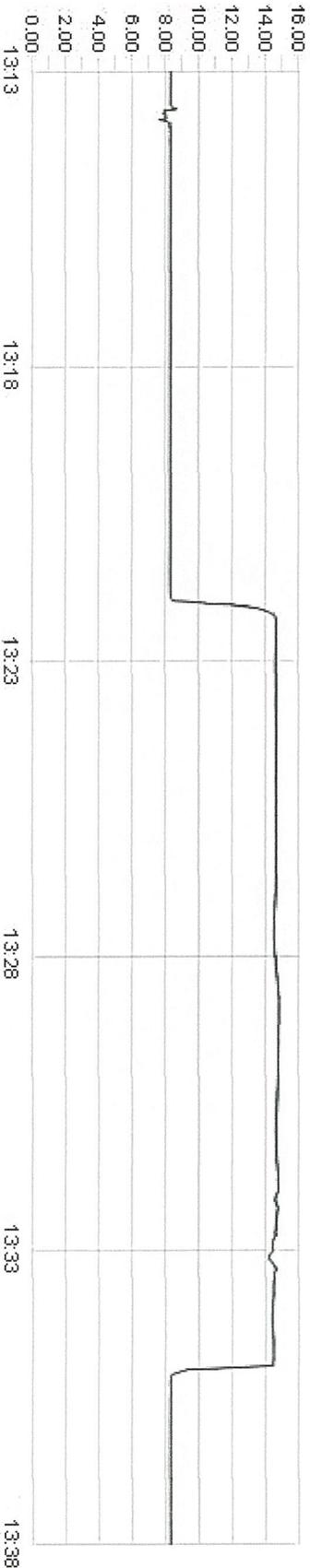
Unit 445046 Rate Total (bpm)



Unit 445046 Pump Pressure (psi)



Unit 445046 Density (lb/gal)





Job Summary

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

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	Siarhei Dzmitryieu	Hector Terrazas

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
Tubing	2.375	4.7		0	650	0	650

CEMENT DATA

Stage 1:
Type: **Shoe Plugs**

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft ³ /sk)	Water Req.

Stage 2:
Type: **Surface Plug**

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft ³ /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 (ft ³ /sk)	Water Req.

Stage 4:
Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft ³ /sk)	Water Req.

SUMMARY

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

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

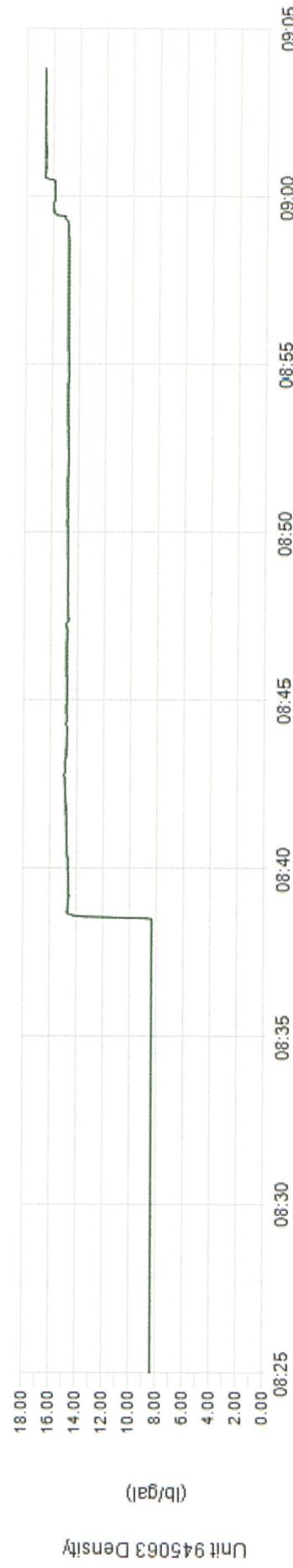
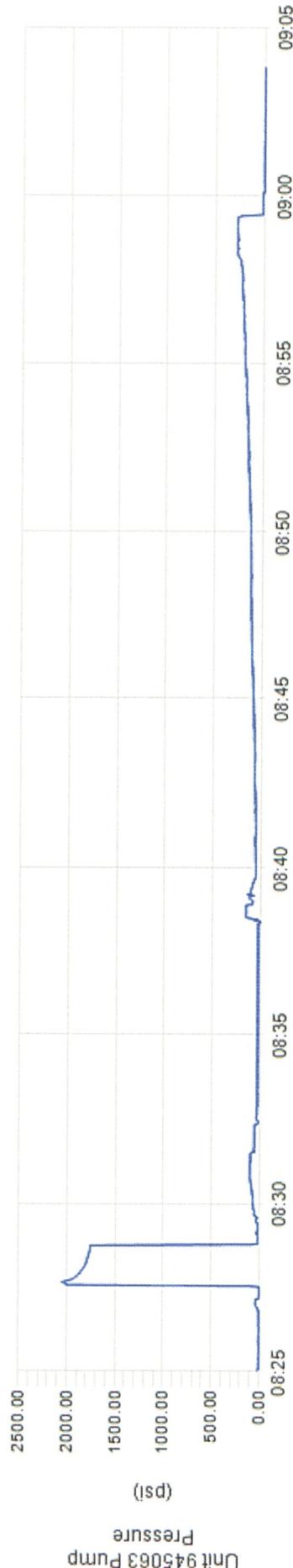
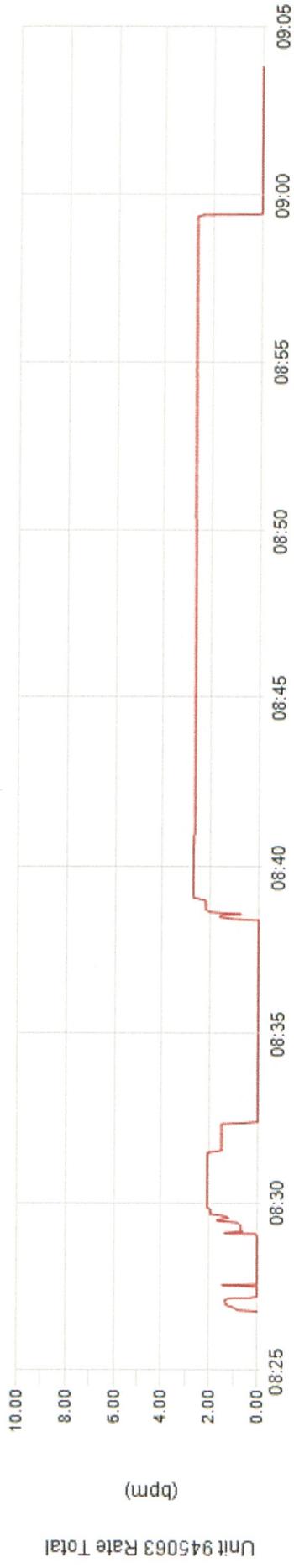
Customer Representative Signature: _____ **Thank You For Using CJES O-TEX Cementing**



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





Rev.042519 A	CUSTOMER P. O. NUMBER	Ticket No. (SO) F8057	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 08/21/2019
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 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	CITY	STATE	ZIP CODE
INVOICE MAILING ADDRESS			

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE X	Thank you for using Casedhole Solutions!!	Total runs, all pages	7
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THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEDHOLE SOLUTIONS, INC. ACCOUNTING

UNIT NUMBER 200100	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		6708'	P - Plug or Retainer - setting (3rd party)	each	1					Perf			
3		6708'	P - Dump Bailer(2 SXs Cement)	per run	1								
4		6370'	P - Plug or Retainer - setting (3rd party)	each	1								
5		6370'	P - Dump Bailer(2 SXs Cement)	per run	1								
6		3400'	P - Plug or Retainer - setting (3rd party)	each	1								
7		3400'	P - Dump Bailer(2 SXs Cement)	per run	1								
8	Cut - 1600'		P - Jet Cutters (all)	each	1								
9													
10													

STANDARD PRICE	
ESTIMATED TOTAL	
Runs for this job made in August were 7	NO
TOTAL	Was catering provided by Casedhole Solutions?

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE 	LOGS RECEIVED AT WELL	CUST. INITIALS	SIGNATURE OF CASEDHOLE SOLUTIONS ENGINEER
Hector			Meisner, Jacob