

AFE #		PO:	
LEASE NAME / NUMBER		API WELL NUMBER	
ZAHOUREK 12-31		512327302	
SECTION	TOWNSHIP	RANGE	COUNTY, STATE
31	7N	63W	WELD, COLORADO
WELL PERMIT NUMBER			
JOB TYPE		CM-P2A-PERM.	
Vehicle Type		Single	

TICKET	BCO-2001-0069	
DATE	1/17/2020	
CREW INFORMATION		
SUPERVISOR	Israel Davila	
PUMP UNIT	44-5070	
NUMBERS		
ARRIVAL (D&T)	1/17/20 8:00 AM	
DEPARTURE (D&T)	1/17/20 11:00 AM	

[illegible][illegible]

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

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

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

COUNTY	COMPANY	API Number
WELD	PDC ENERGY	512327302
WELL NAME	RIG	JOB TYPE
ZAHOUREK 12-31	Ensign 354	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.53183 -104.48664	Israel Davila	Hector Terazzas

EMPLOYEES		
Garrick Williamson		
Kevin Piefer		

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

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	10.5		0	1910		
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	1910		
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):	1400	To Depth (ft):	1910
Type: Balance Plug	Volume (sacks):	35	Volume (bbls):	8
Cement & Additives:				
Type III	Density (ppg)	14.8	Yield (ft³/sk)	1.33
	Water Req.	6.32		

Stage 2:	From Depth (ft):	0	To Depth (ft):	745
Type: Surface Plug	Volume (sacks):	60	Volume (bbls):	14
Cement & Additives:				
Type III	Density (ppg)	14.8	Yield (ft³/sk)	1.33
	Water Req.	6.32		

Stage 3:	From Depth (ft):		To Depth (ft):	
Type: Top Off	Volume (sacks):	10	Volume (bbls):	2
Cement & Additives:				
Type III	Density (ppg)	14.8	Yield (ft³/sk)	1.33
	Water Req.	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:	8 bbls of Fresh Water	Calculated Displacement (bbl):	5	Stage 1
		Actual Displacement (bbl):	5	Stage 2
Total Preflush/Spacer Volume (bbl):	8	Plug Bump (Y/N):	n/a	Bump Pressure (psi):
Total Slurry Volume (bbl):	24	Lost Returns (Y/N):	n	(if Y, when)
Total Fluid Pumped	37			
Returns to Surface:	Cement	1 bbls		

Job Notes (fluids pumped / procedures / tools / etc.): Pumped 35 sx @ 14.8, 1.33 yield from 1910' to 1400'. Displace to balance plug. Rig pulls tubing to 745'. Pump 60 sx @ 14.8 from 745' to surface. Rig removes tubing. Top off 4.5" casing with 10 sx.

Customer Representative Signature: Thank You For Using NexTier Completion Solutions



### Cement Job Log



Customer: PDC ENERGY				Date: 17-Jan-20				Serv. Supervisor: Israel Davila				
Cust. Rep.: Hector Terazzas				Ticket #: BCO-2001-0069				Serv. Center: Brighton - 3021				
Well Name: ZAHOREK 12-31				API Well #: 512327302				County: WELD		State: COLORADO		
Well Type: Oil				Rig: Ensign 354				Type of Job: CMI-P2A-FERIL				
Materials Furnished by NexTier												
Plugs		Casing Hardware				Physical Slurry Properties						
						Sacks of Cement	Fluid Density (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Mix Water (bbls)
Spacer - 5bbls Water											5.00	
Balance Plug - 14.8ppg Type III		100 % CJ922				35	15.8		1.15	5.00	7.15	4
Surface Plug - 14.8ppg Type III		100 % CJ922				60	15.8		1.15	5.00	12.27	7
Extra Cement - 14.8ppg Type III		100 % CJ922				10	15.8		1.15	5.00	2.04	1
Displacement Chemicals:												
OPEN HOLE DATA		TUBULAR DATA										
						SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
Mix Cemt. Temperature °F	Lead Tmp.	Middle Temp.	Tail Temp.		2.375" 4.7#		1910					
PREVIOUS CASING DATA		PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS						
4.5 in. 10.5# ( 0 to 1,910 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								
		5 bbl	h2o	8.3 ppg			1000	1				
Bumped Plug	Final Differential (psi)	Floats Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Top of Cement (ft)	Full Circ. During Job (Y/N)	Max Pump Pressure (psi)	Casing Rotation	Standby Charged(hrs)	Casing Reciprocation	Wireline Co.	
				1.00	-	Yes	2,000.00				0	
Comments/Special Customer Instructions												
						Israel Davila Service Supervisor Date: 17-Jan-20						

# NEXTIER

1/17/2020



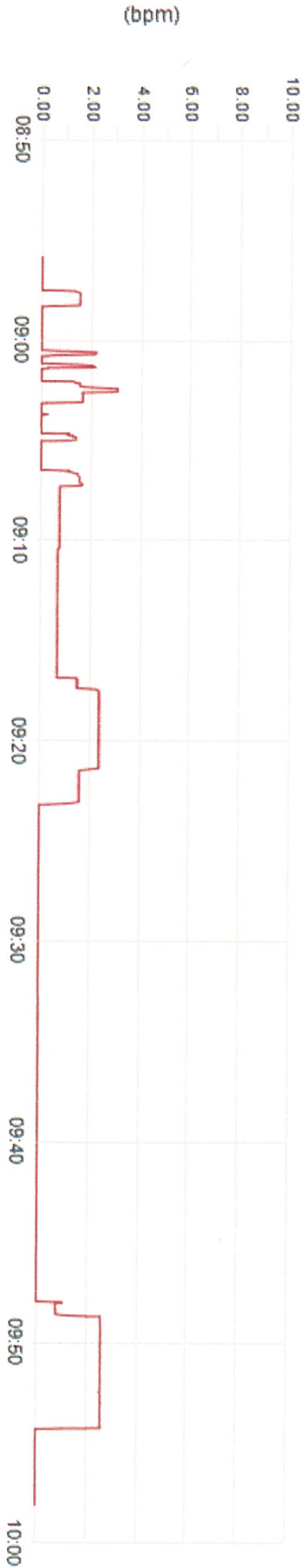


**Client**  
**Ticket No.** 20010069  
**Location** Sec 31-7N-63W  
**Comments** See job log

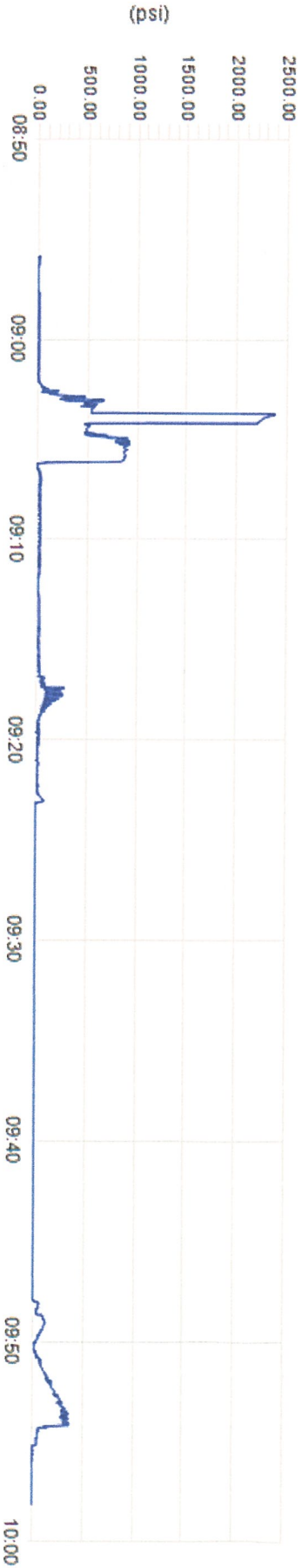
**Client Rep** Hector  
**Well Name** Zahourek 12-31  
**Job Type** Abandonment Plugs

**Supervisor** Izzy Davila  
**Unit No.** 445070  
**Service District** Brighton  
**Job Date** 01/17/2020

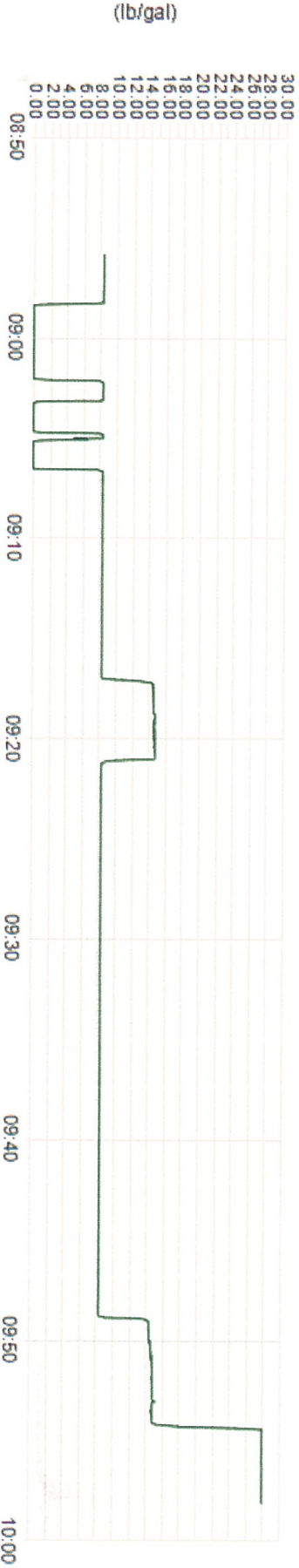
Unit 445070 Rate Total




Unit 445070 Pump Pressure



Unit 445070 Density



		CUSTOMER P.O. NUMBER	SERVICE ORDER 3011	PAGE 1 of 1
* Service charges include a daily per diem of \$30.00/employee and a daily catering charge (when provided by SureFire Wireline) of \$25.00/employee.				
SureFire Wireline You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment:			DATE 01/16/2020	
SERVICE(S) AND/OR EQUIPMENT REQUESTED				
CUSTOMER	COMPANY	PDC ENERGY		
FURNISHED	LEASE	Zahourek	WELL NUMBER	12-31
LEASE/WELL	API:	05-123-27302		
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 SUREFIRE WIRELINE WEST COLORADO LLC., IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF YOUR CURRENT PRICE SCHEDULE. IN CONSIDERATION OF THE PRICES AS 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  Thank you for using SureFire Wireline!! Total runs, all pages 4				
THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY SUREFIRE WIRELINE WEST COLORADO ACCOUNTING				
UNIT NUMBER 803	OPERATION TYPE: DAYLIGHT	WELL TYPE: WORKOVER	ROUND TRIP MILEAGE	
TRIP: FIRST	HOISTING TYPE: WORKOVER RIG			
WIREFINE DEPTH	MAX. WELLHEAD PRESSURE	PSI	BOTTOM HOLE PRESSURE:	PSI
Desc. NO.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM QUAN.
1			P - Packoff	each 1
2		6890'	P - Plug or Retainer - setting (3rd party)	each 1
3		6890'	P - Dump Bailer Cement (2 SXs)	per run 1
4		6595'	P - Plug or Retainer - setting (3rd party)	each 1
5		6595'	P - Dump Bailer Cement (2 SXs)	per run 1
6				
7				
8				
9				
10				
STANDARD PRICING				
Runs for this job 4				
ESTIMATED TOTAL C				
THE SERVICE(S) AND/OR EQUIPMENT COVERED BY THIS SERVICE ORDER HAVE BEEN RECEIVED BY THE CUSTOMER.				
SUREFIRE ENGINEER NAMES Meisner, Jacob Crew 1 Crew 2 Crew 3 Crew 4 Crew 5 Crew 6				
WORK WITNESSED BY NAME Hector T.				
DISTRICT JOB IS IN: Kersey, CO				
CLASS: Vert. Domestic				
TYPE OF JOB: Vertical Perf. and Logging				
AF#:				
ENGINEER: Meisner, Jacob				
MSA#:				