



Job Summary

Ticket Number	Ticket Date
TN# BCO-2002-0002	2/3/2020

COUNTY	COMPANY	API Number
WELD	PDC ENERGY	512323068
WELL NAME	RIG	JOB TYPE
FLACK 5	Ensign 354	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.344931 -104.540629	Francisco Flores	Hector Terrazas

EMPLOYEES		
<i>Tyler Ingalls</i>		
<i>Kevin Pyfer</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	625	395		
2		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	J55	395	0		
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	1695	625		
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	1695	0		

CEMENT DATA

Stage 1: From Depth (ft): **1695** To Depth (ft): **1365**
Type: **Balance Plug**
Volume (sacks): **22** Volume (bbls): **5.1**

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

Stage 2: From Depth (ft): **680** To Depth (ft): **0**
Type: **Surface Plug**
Volume (sacks): **232** Volume (bbls): **55**

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

Stage 3: From Depth (ft): **39** To Depth (ft): **0**
Type: **Top Off**
Volume (sacks): **10** Volume (bbls): **2.5**

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

SUMMARY

Preflushes:	10 bbls of Fresh Water	Calculated Displacement (bbl):	5.2	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	5.2		
	bbls of	Plug Bump (Y/N):		Bump Pressure (psi):	
Total Preflush/Spacer Volume (bbl):	10	Lost Returns (Y/N):	N (if Y, when)		
Total Slurry Volume (bbl):	62.6				
Total Fluid Pumped	77.8				
Returns to Surface:	Cement 2 bbls				

Job Notes (fluids pumped / procedures / tools / etc.): **Balance Plug- End of tubing@1695'. Mix & pump 22sx@14.8ppg 1.33Y. 330' of coverage inside production casing. ETOC@1365'. Surface Plug- End of tubing@680'. Mix & pump 232sx@14.8ppg 1.33Y. 55' of coverage in production casing. 230' of O.H. coverage. 395' of surface casing coverage. Brought cement to surface. Pumped job per customers request. Job went well. Thank you!**

Customer Representative Signature: _____ **Thank You For Using NexTier Completion Solutions**



CUSTOMER P. O. NUMBER	SERVICE ORDER 4003	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 1/31/2020

SERVICE(S) AND/OR EQUIPMENT REQUESTED

CUSTOMER	COMPANY	PDC Energy, Inc		
FURNISHED	LEASE	Flack	WELL NUMBER	5
LEASE/WELL	API:	05-123-23068		
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 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, Inc		
INVOICE MAILING ADDRESS	CITY	STATE	ZIP CODE

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE	Thank you for using SureFire Wireline!!	Total runs, all pages	5
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THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY SUREFIRE WIRELINE WEST COLORADO ACCOUNTING

UNIT NUMBER	OPERATION TYPE: DAYLIGHT	WELL TYPE: WORKOVER	ROUND TRIP MILEAGE
804	TRIP: FIRST	HOISTING TYPE: WORKOVER RIG	

WIRELINE DEPTH	MAX. WELLHEAD PRESSURE	PSI	BOTTOM HOLE PRESSURE:	PSI
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Desc. NO.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC.	DISC. PRICE	AMOUNT	SERVICE	FIRST READINGS	LAST READINGS	FOOTAGE DEL.
1			P - Packoff	each	1					Plug			
2		6500'	P - Plug or Retainer - setting (3rd party)	each	1					Perf			
3		6500'	P - Dump Bailer Cement (2 SXs)	per run	1								
4	CBL - 3000'-0'		P - Cement Bond Log (2000'-6000')	each	1								
5		2500'	P - Plug or Retainer - setting (3rd party)	each	1								
6		2500'	P - Dump Bailer Cement (2 SXs)	per run	1								
7													
8													
9													
10													
11													
12													
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19													
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21													
22													
23													
24													

STANDARD PRICING	TOTAL	ESTIMATED TOTAL
Runs for this job	5	
Was catering provided by Surefire Wireline West? NO		

SIGNATURE OF CUSTOMER'S AUTHORIZED REPRESENTATIVE	LOGS RECEIVED AT WELL	CUST. INITIALS	SIGNATURE OF CASEHOLE SOLUTIONS ENGINEER
<i>[Signature]</i> Hector			<i>[Signature]</i> Meisner, Jacob

CASING/TUBING RECORD		PERM. DEPTH DATUM		GROUND LEVEL		ELEV.		ELEV. K.B.	
SIZE	WEIGHT	TYPE	FROM	TO	LOG MEAS. FROM	WHICH IS	ABOVE PERM DATUM	D.F.	G.L.
		Casing 1			Fluid Type	Fluid Weight	Fluid Level	REMARKS	
		Casing 2			lbs/gal	feet	District doing job: Kersey, CO		
		Tubing			Line of Business: Completions			Type of Job: Vertical P and A	
		Liner			Bottom Hole Temperature			Degrees F	
SUREFIRE ENGINEER NAMES		WORK WITNESSED BY NAME							
Meisner, Jacob	Crew 1	Hector T.							
SUREFIRE OPERATORS								District job is in: Kersey, CO	
Schneider, Kyle	Crew 2							AFE#:	
Kuntz, Shane	Crew 3							Engineer:	Meisner, Jacob
	Crew 4							MSA#:	
	Crew 5								
	Crew 6								



CUSTOMER P. O. NUMBER	SERVICE ORDER 3014	PAGE 1 of 1
DATE 2/3/2020		

SureFire Wireline
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, Inc		
FURNISHED	LEASE	Flack	WELL NUMBER	5
LEASE/WELL	API:	05-123-23068		
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 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.
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CUSTOMER NAME	PDC Energy, Inc		
INVOICE MAILING ADDRESS	CITY	STATE	ZIP CODE
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE			

X	Thank you for using SureFire Wireline!!	Total runs, all pages	1
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THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY SUREFIRE WIRELINE WEST COLORADO ACCOUNTING

UNIT NUMBER	OPERATION TYPE: DAYLIGHT	WELL TYPE: WORKOVER	ROUND TRIP MILEAGE
0	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	FIRST READING	LAST READING	FOOTAGE DEL.
1			P - Packoff	each	1				Plug			
2	CUT 625'		P - Jet Cutters (all)	each	1				Perf			
3												
4												
5												
6												
7												
8												
9												
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24												

STANDARD PRICING	TO	
Runs for this job	CUT 4.5 CSG @ 625'	
1		
TOTAL DIS		
ESTIMATED TOTAL C		

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE	LOGS RECEIVED AT WELL	CUST. INVOICES	SIGNATURE OF SUREFIRE WIRELINE ENGINEER
X	Hector Terazzas		McKie, James

CASING/TUBING RECORD				PERM. DEPTH DATUM				GROUND LEVEL				ELEV.				ELEV. K.B.			
SIZE	WEIGHT	TYPE	FROM	TO	LOG MEAS. FROM	WHICH IS	ABOVE PERM DATUM	D.F.	G.L.	REMARKS									
		Casing 1			Fluid Type	Fluid Weight	Fluid Level			District doing job: Kersey, CO									
		Casing 2			lbs/gal	feet				Line of Business: Completions									
		Tubing			Bottom Hole Temperature				Degrees F	Type of Job:	Vertical P and A								
		Liner			WORK WITNESSED BY NAME					Class:	Vert. Domestic								
		Drill Pipe			Hector Terazzas					District job is in:	Kersey, CO								
SUREFIRE ENGINEER NAMES				SUREFIRE OPERATORS				AFE#:				Engineer:				MSA#:			
McKie, James				Crew 1								McKie, James							
Herrick, Brett				Crew 2															
Redfeam, Jeremiah				Crew 3															
				Crew 4															
				Crew 5															
				Crew 6															