



Magnum Cementing Services LLC
2800 South, 600 17th Street
Denver, Colorado 80202

Field Ticket

Job Date: February 20, 2020
Job Number: JOB00082318

Bill To:
PDC Energy
PO Box 26

Bridgeport, West Virginia
26330

UWI: State 22-16
Surface: SENW, Sec 16, 6N, 64W
Pricing Area: Area 1
Competitive: STDU
Depth: 1760
Job Type: Balanced Plug

	Units	Per	Unit Price	Cost
Services and Equipment				
PCMP Unit Travel	55	MI		
PCMP - Remedial Set Up (6 Hr min)	1,760	FT		
Equipment				
MDAC	1	Job		
Communication Headsets	2	RDIO		
Material Handling & Delivery				
Bulk Material Blending	670	SKS		
Bulk Material Delivery	36,850	SKMI		
Products & Materials				
MAG S 14.1	656	SKS		
MCA-1	570.72	LB		
MCFL-1	228.23	LB		
MCFR-2	85.36	LB		
MCDF-P	57.07	LB		
MCDF-L	4	GAL		
MAG Thin	150	M3		

Customer Stamp:

SERVICES PROVIDED BY MAGNUM CEMENTING SERVICES LTD. ARE GOVERNED BY AND SUBJECT TO THE ATTACHED TERMS AND CONDITIONS.

Received By: Hector Terrazas 970-506-9272
Comments:

All totals are estimated (including mileage), and are subject to change depending on actual amounts used. Applicable taxes will be added to the invoice. Prices may change without notice due to fluctuating market conditions. Prices are in effect for 30 days from date shown.



US Treatment Report

Customer: PDC Energy
Rep: Hector Terrazas
Supervisor: Ryan Urquhart
Job Type: US Remedial
 Balanced Plug

Rig:
Well: State 22-16
UWI: State 22-16
Surface: SENW, Sec 16, 6N, 64W

Job #: JOB00082318
Job Date: Feb 20 @ 00:00
Time Requested: Feb 20 @ 09:00
Time Arrived: Feb 20 @ 09:00
Time Released: Feb 20 @ 13:57

BHCT (F)	77/74	BHST (F)	68/54	Casing 1 Casing Size (in)	8.625
Casing 1 Weight (lb/ft)	24	Casing 2 Casing Size (in)	4.5	Casing 2 Grade	TBD
Casing 2 Weight (lb/ft)	11.6	TMD (ft)	1760	Tubing (in)	2.375
Tubing Grade	TBD	Tubing Length (ft)	1760	Tubing WT (lb/ft)	4.7

Treatment Info: Sacks Used: 0 Sacks Not Used: 0

Preflush: 5bbls Fresh Water & 5bbls Fresh Water

Displace: 5.6bbls Fresh Water

Circulation Time:

Slurry Temp: 56 Bulk Sample: Yes
 Water Temp: 36 Water Sample: Yes
 Bulk Temp: 61 Slurry Sample: Yes

Slurry Returns: Plug Bumped: Pump Out Lines: Yes Float Held:

Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/mi n	Treatment Detail
09:00	0.00					Arrive on Location - RIG IS PULLING CASING
12:02	0.00					Safety Meeting - DISCUSS HAZARDS AND JOB PROCEDURE WITH ALL PERSONELL INVOLVED
12:12	351.00		5.0			Fill Lines - LOAD LINE/ BRAKE CIRCULATION
12:20	1,830.00		0.1	0.1	0.2	Start Pressure Test
12:28	447.00		20.5	20.5	3.1	Pump Slurry - BATCH/ WEIGHT/ PUMP SLURRY @ 14.1 PPG
12:35	406.00		5.6			Displace - H2O
12:38	0.00					Stop Pumping - SHUTDOWN/ OPEN BLEED OFF TO BALANCE PLUG
12:42	0.00					RIG IS PULLING TUBING FOR 2ND STAGE
12:55	330.00		5		2.0	Pump Preflush - PUMP H2O TO BRAKE CIRCULATION
13:00	482.00		127		3.0	Pump Slurry - BATCH/ WEIGHT PUMP SLURRY @ 14.1 PPG
13:48	0.00					Stop Pumping - GOT CEMENT TO SURFACE
14:07	50.00		2		0.5	Pump Slurry - TOP OUT CEMENT TO SURFACE
14:11	0.00					Stop Pumping - JOB IS COMPLETE
15:00	0.00					Leave Location



Customer: PDC

Date: FEB 20 2020

Ticket: 82318

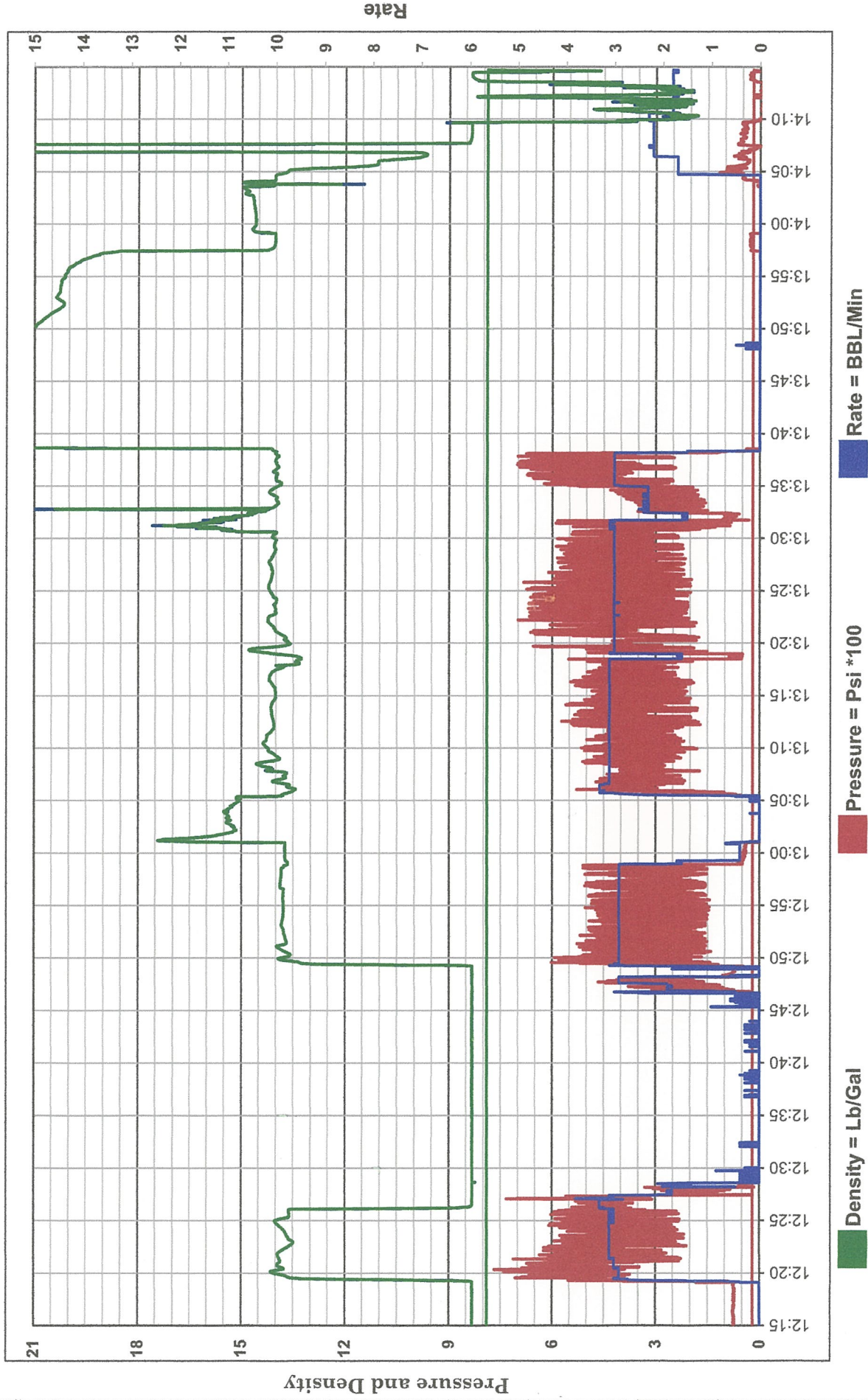
Well Name: STATE 22-16

UWI: STATE 22-16

Job Type: P AND A

Unit

1015



	CUSTOMER P. O. NUMBER		SERVICE ORDER 4014		PAGE 1 of 1	
	SureFire Wireline You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment:					DATE 2/19/2020
	SERVICE(S) AND/OR EQUIPMENT REQUESTED					

CUSTOMER	COMPANY	PDC Energy, Inc				
	FURNISHED	LEASE	State		WELL NUMBER	22-16
	LEASE/WELL	API:	05-123-14338			
	INFORMATION	FIELD	Wattenberg	PARISH/COUNTY	Weld	STATE

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, 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 **4**

THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY SUREFIRE WIRELINE WEST COLORADO ACCOUNTING

UNIT NUMBER 804	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	
----------------	--	------------------------	--	-----	--	----------------------	--	-----	--

Desc. NO.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC.	AMOUNT	SERVICE	FIRST READING	LAST READING	FOOTAGE DEL.
1			P - Packoff	each	1				Plug			
2		6690'	P - Plug or Retainer - setting (3rd party)	each	1				Perf			
3		6690'	P - Dump Bailer Cement (2 SXs)	per run	1							
4	CBL 6650'-0'		P - Cement Bond Log (6000'+)	each	1							
5	Cut - 1710'		P - Jet Cutters (all)	each	1							
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

STANDARD PRICING			
Runs for this job		TOTAL	
4			
		ESTIMATED TOTAL C	
		NO	

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

[Signature] Hector

LOGS RECEIVED AT WELL

CUST. INITIALS

SIGNATURE OF CASEHOLE SOLUTIONS ENGINEER

[Signature] 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
		Casing 2				lbs/gal	feet
		Tubing			REMARKS District doing job: Kersey, CO Line of Business: Completions Type of Job: Vertical P and A Class: Vert. Domestic District job is in: Kersey, CO		
		Liner					
		Drill Pipe					

SUREFIRE ENGINEER NAMES		WORK WITNESSED BY NAME	
Meisner, Jacob	Crew 1	Hector T.	
SUREFIRE OPERATORS	Crew 2		
Kuntz, Shane	Crew 3		
Schneider, Kyle	Crew 4		
	Crew 5		
	Crew 6		

AFE#: _____

Engineer: **Meisner, Jacob**

MSA#: _____