



CASED HOLE SOLUTIONS

Rev.121316 A	CUSTOMER P. O. NUMBER	SERVICE ORDER	PAGE
* 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.		F1014	1 of 1
To CASED HOLE SOLUTIONS, INC.		DATE	
You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment:		01/12/2017	

SERVICE(S) AND/OR EQUIPMENT REQUESTED

CUSTOMER FURNISHED LEASE/WELL INFORMATION	COMPANY	PDC Energy, Inc.		
	LEASE	Kerbs	WELL NUMBER	14-15
	LEGAL & LOCATION	05-123-21186		
	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 CASED HOLE 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, Inc.

INVOICE MAILING ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: \_\_\_\_\_

**X** Thank you for using Casedhole Solutions!! Total runs, all pages: 0

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

UNIT NUMBER: 92-3856 OPERATION TYPE: 24-HOUR WELL TYPE: WORKOVER

TRIP: SUBSEQUENT HOISTING TYPE: WORKOVER RIG ROUND TRIP MILEAGE: \_\_\_\_\_

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		6890'	P - Plug or Retainer - setting (3rd party)	each	1					Plug			
2		6890'	P - Dump Bailer	per run	1					Perf			

STANDARD PRICING	TOTAL OF BOOK PRICE	0	NO. SHOTS FIRED	12	NO. SEL SWITCHES	0	SEL. SW FAILURE	0
	TOTAL DISCOUNT	10K						
	TOTAL DISCOUNT PERCENTAGE							

Runs for this job made in January were 0

ESTIMATED TOTAL CHARGE PAGE 1

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: **X** Bud Holman

LOGS RECEIVED AT WELL: \_\_\_\_\_ CUST. INITIALS: \_\_\_\_\_ SIGNATURE OF CASED HOLE SOLUTIONS ENGINEER: 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.
	Fluid Type	Fluid Weight	Fluid Level	REMARKS
		lbs/gal	feet	District doing job: Fort Lupton, CO
	Bottom Hole Temperature	Degrees F	Type of Job:	Line of Business: Workover

CASED HOLE ENGINEER NAMES	WORK WITNESSED BY NAME	Class:	Vert. Domestic
Meisner, Jacob Crew 1	Bud Holman	District job is in:	Fort Lupton, CO
Kuntz, Shane Michael Crew 2		AFE#:	
Herrick, Brett Crew 3		Engineer:	Meisner, Jacob
		MSA#:	



# Daily Completion Operations

Date: 1/12/2017  
Report #: 2.0

Well Name: Kerbs 14-15

Well Name Kerbs 14-15	Operator PDC Energy Inc.	API 05123211860000	Well Number 105.002180	Last Mod By bholman	
District Evans	Field Name Wattenberg	County Weld	State CO		
Well Type Development	Surface Legal Location SWSW 15 6N 64W	Spud Date 12/4/2002	Original KB Elevation (ft) 4,767.00	Ground Elevation (ft) 4,755.00	KB-Ground Distance (ft) 12.00

**Daily Operation: 1/12/2017 06:00 - 1/12/2017 15:00**

AFE Number WBINOBLE	Job Category Completion/Workover	Objective WBI FOR NOBLE HORIZONTAL FRACS	Start Date 1/11/2017	End Date	Primary Job Type Wellbore Integrity	Secondary Job Type
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**Rigs**

Contractor Ensign	Rig Number 356
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**Daily Operations**

Report Start Date 1/12/2017	Report End Date 1/12/2017	Daily Field Est Total (Cost) 6,857.39	Cum Field Est To Date (Cost) 20,167.74
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Status at Reporting Time  
SHUT IN

**Operations Summary**

CREW TO LOCATION. 0 PRESSURES. HELD SAFETY MEETING. POOH TO DERRICK WITH TBNG. LD BIT AND SCRAPER. MIRU CASED HOLE WIRELINE. RIH WITH RMOR/WYOMING COMPLETIONS 4-1/2" 10K CIBP. CORRELATED WITH LOGS, GOT ON DEPTH AND SET CIBP AT 6890'. POOH. RIH WITH DUMP BAILER AND SPOT 2 SKS OF CEMENT ON TOP OF CIBP. POOH. RDMO WIRELINE. RIH WITH 3-7/8" CONE BIT, P/O BIT SUB, SEAT NIPPLE AND 206 JNT TO 6800'. ROLLED HOLE. TESTED CASING AND PLUG TO 2000 PSI FOR 15 MINUTES. HELD GOOD. BLEED OFF PRESSURE. LD 10 JNTS. LAND TBNG IN WELLHEAD AT 6474.66' KB WITH 196 JNTS. ND BOPS. NU 5K TOP FLANGE AND INSTALLED 5K VALVES ON WELLHEAD. PLUMBED BRADEN HEAD VALVE TO SURFACE. SECURED WELL. RDMO

12.00' kb  
6459.56' 196 jnts 2-3/8" 4.7# J-55 8rd eue tbng  
1.10' seat nipple  
2.00' 3-7/8" P/O bit sub with 3-7/8" cone bit  
6474.66' kb

Operations Next Report Period  
FINAL REPORT

Weather	Temperature (°F)	Hole Condition	Road Condition
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**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
06:00	06:30	0.50	0.50	TRAV	Travel - To Location	
06:30	07:00	0.50	1.00	SMTG	Safety Meeting	
07:00	08:00	1.00	2.00	PULT	Pull Tubing	POOH, LD SCRAPER
08:00	09:30	1.50	3.50	EWLO	Other	WL SET CIBP AT 6890' W/2 SKS
09:30	11:00	1.50	5.00	RUTB	Run Tubing	RUN P/O BIT SUB
11:00	12:00	1.00	6.00	CIRC	Circulating	ROLLED HOLE CLEAN
12:00	12:30	0.50	6.50	PTST	Pressure Test	TEST CASING/PLUG TO 2000 PSI GOOD
12:30	13:00	0.50	7.00	BOPR	Remove BOP's	LAND TBNG, ND BOPS
13:00	13:30	0.50	7.50	LOCL	Lock Wellhead & Secure	SECURED WELL,
13:30	14:30	1.00	8.50	SRIG	Rig Up/Down	
14:30	15:00	0.50	9.00	TRAV	Travel - From Location	