800 GESSNER ROAD
SUITE 1000
HOUSTON, TX 77024
(713) 935-8900
(713) 935-8901 (FAX)

BAYOU WORKOVER SERVICES

DAILY WORK TICKET

65247

RRC # _____

REPORT # _____ HUB METER _____ RIG # #3

Customer Name: R.D.C. Energy	Customer AFE #		Date: 12-18-15
Mailing Address	City	State: O	Zip	County: Weld
Field	Lease: Spaur 10-1	Well	Order #

Work Description:
Workover Laydown pipe Rod _____ Rod & Tubing _____ Re-entry _____
Swabbing _____ Tubing _____ Completion _____ P & A _____

BILLING

DESCRIPTION	RATE	TOTAL	WORKOVER EQUIPMENT	QTY.	RATE Hr. / Day / Ea.	TOTAL
RIG & CREW	12 Hrs. @ 275.00 Per Hr.	3300	BOP	1	500	500
EXTRA LABOR	12 Hrs. @ 48.00 Per Hr.	624	Pump	1	575	575
RIG FUEL	Hrs. @ Per Hr.		Tank	1	175	175
PUMP FUEL	Hrs. @ Per Hr.		Base Beam	1	40	40

RECHARGE ITEMS	QTY.	RATE Hr. / Day / Ea.	TOTAL	
Crew Travel	1	210.00	210	Pipe Handler
Tool Pusher				Catwalk
Per Diem				Pipe Racks
Stripper Rubbers				Power Swivel
Pipe Wipers	1	44	44	JU / Washington H
Tong Dies				Rod / TBG Tongs
Slip Dies				Adapter Flange
Safety Valve				SWABBING EQUIPMENT
Fishing Tools				Swab Cups - Size
Pipe Dope	1	36	36	OSR
Handling Equipment				Swabbing Acid
				Fishing Tools
				Extra Tank

MISCELLANEOUS: Save 2 - 795.60 TOTAL BILLABLE AMOUNT THIS FIELD REPORT $ 4508.40

DESCRIPTION OF WORK:
6:00 to 6:30 Crew travel to location TIME STARTED 6:00 Am. TIME STOPPED 7:00 Am
6:30 Safety meeting check pressure is (zero) open the well and pickup 3 Rts and break circulation for roll the hole for 30 min at (6790) with 209 Rts rigup the cement. guys they pump the first time and we lay down pipe on the trailer 209 Rts with the slow rigup wire line they set the plug and perforated we nipple down BOP and put on the top flange with the master valve and break circulation and roll the hole for 30 min. rigup the cement. guys they pump the cement dell we see at the top. we close the master valve and they washed the equipment we drain the pump and lines clean out location and we done.
6:30 to 7:00 Crew travel to town

PAYROLL SECTION

	EMPLOYEE	Emp. #	Revenue Hours	Travel Hours	Non-Revenue Hours	TOTAL
OPERATOR	José Jimenez		12	1		13
DERRICK	Jafet Jimenez					
FLOORHAND	Andres Rodarte					
FLOORHAND	Manuel Q. Aguilar					
FLOORHAND						

NO ACCIDENTS PER MY SIGNATURE José Jimenez

BAYOU WORKOVER SERVICES RIG SUPERVISOR _____ CUSTOMER / AGENT _____

WHITE - CUSTOMER CANARY - HOUSTON COPY PINK - RIG COPY GOLD - FIELD COPY

800 GESSNER ROAD
SUITE 1000
HOUSTON, TX 77024
(713) 935-8900
(713) 935-8901 (FAX)

BWS
BAYOU WORKOVER SERVICES

DAILY WORK TICKET

65248

RRC # _____

REPORT # _____ HUB METER _____ RIG # #3

Customer Name	Customer AFE #	Date
R.O.C. Energy		12-21-15

Mailing Address	City	State	Zip	County
		6		Weld

Field	Lease	Well	Order #
	Spaur 10-1		

Work Description:
Workover Rigdown Rod _____ Rod & Tubing _____ Re-entry _____
Swabbing _____ Tubing _____ Completion _____ P & A _____

BILLING

DESCRIPTION	RATE	TOTAL	WORKOVER EQUIPMENT	QTY.	RATE Hr. / Day / Ea.	TOTAL
RIG & CREW	2 Hrs. @ 275.00 Per Hr.	550	BOP			
EXTRA LABOR	3 Hrs. @ 48.00 Per Hr.	144	Pump			
B.W.S.	5.5 Hrs. @ Per Hr.		Tank			
PUMP FUEL	Hrs. @ Per Hr.		Base Beam			

RECHARGE ITEMS	QTY.	RATE Hr. / Day / Ea.		Pipe Handler			
Crew Travel	1	210.00	210	Catwalk			
Tool Pusher				Pipe Racks			
Per Diem				Power Swivel			
Stripper Rubbers				JU / Washington H			
Pipe Wipers				Rod / TBG Tongs			
Tong Dies				Adapter Flange			
Slip Dies				**SWABBING EQUIPMENT**			
Safety Valve				Swab Cups - Size			
Fishing Tools				OSR			
Pipe Dope				Swabbing Acid			
Handling Equipment				Fishing Tools			
				Extra Tank			

MISCELLANEOUS: Saves 135.6 TOTAL BILLABLE AMOUNT THIS FIELD REPORT $ 768.40

DESCRIPTION OF WORK: TIME STARTED 6:00 A.m. TIME STOPPED 2:30 P.m.

6:00 to 6:30 Crew travel to location
6:30 Safety meeting check pressure is zero. open the well and take of the top flange from the well, pick up the pipe and tag at 80 Ft. with 3 Pt's laydown the pipe, and clean out location, rigdown pump and tank. rigdown the rig and we brake the line for the top board when we scope down the top section, we working on the line and finish to rigdown, we remove the line and wait for the new line at 4:30 P.m. they don't bring the line and we done
4:30 to 5:00 Crew travel to town.

PAYROLL SECTION

EMPLOYEE	Emp. #	Revenue Hours	Travel Hours	Non-Revenue Hours	TOTAL
OPERATOR José Jiménez		2	1	5.5	8.5
DERRICK Jafet Jiménez					
FLOORHAND Andres Rodarte					
FLOORHAND Manuel Q. Aguilar					
FLOORHAND					

NO ACCIDENTS PER MY SIGNATURE José Jiménez

BAYOU WORKOVER SERVICES RIG SUPERVISOR _____ CUSTOMER / AGENT _____

WHITE - CUSTOMER CANARY - HOUSTON COPY PINK - RIG COPY GOLD - FIELD COPY

800 GESSNER ROAD
SUITE 1000
HOUSTON, TX 77024
(713) 935-8900
(713) 935-8901 (FAX)

BWS
BAYOU WORKOVER SERVICES

DAILY WORK TICKET

65246

RRC # _____

REPORT # _____ HUB METER _____ RIG # #3

Customer Name: P.O.C. Energy	Customer AFE #		Date: 12-17-15
Mailing Address	City	State: CO	Zip	County: Weld
Field	Lease: Spaur 10-1	Well	Order #

Work Description: Workover Tripout Rod _____ Rod & Tubing _____ Re-entry _____
Swabbing _____ Tubing _____ Completion _____ P & A _____

BILLING

DESCRIPTION	RATE	TOTAL	WORKOVER EQUIPMENT	QTY.	RATE Hr. / Day / Ea.	TOTAL
RIG & CREW	11.5 Hrs. @ 275.00 Per Hr.	3162.5	BOP	1	300	300
EXTRA LABOR	12.5 Hrs. @ 48.00 Per Hr.	600	Pump			
RIG FUEL	Hrs. @ Per Hr.		Tank			
PUMP FUEL	Hrs. @ Per Hr.		Base Beam	1	40	40

RECHARGE ITEMS	QTY.	RATE Hr. / Day / Ea.	TOTAL	
Crew Travel	1	210.00	210	Pipe Handler
Tool Pusher				Catwalk
Per Diem				Pipe Racks
Stripper Rubbers				Power Swivel
Pipe Wipers	1	44	44	JU / Washington H
Tong Dies				Rod / TBG Tongs
Slip Dies				Adapter Flange
Safety Valve				**SWABBING EQUIPMENT**
Fishing Tools				Swab Cups - Size
Pipe Dope	1	36	36	OSR
Handling Equipment				Swabbing Acid
				Fishing Tools
				Extra Tank

MISCELLANEOUS: Service - 658.87 TOTAL BILLABLE AMOUNT THIS FIELD REPORT $ 3733.62

DESCRIPTION OF WORK: TIME STARTED 6:00 A.m. TIME STOPPED 6:30 P.m.

6:00 to 6:30 Crew travel to location
6:30 safety meeting they remove the snow on location and spot in the equipment and spot in the beam with the rig level up and rig up. unload the B.O.P. and make suction test. check pressure on the well (is zero) open the well. unlanded the tbg and nipple up B.O.P. and tripout with 200 JTS. and tally out. (6506) nipple down B.O.P. and pull up the top flange on the well head they need to check the csg slips is good put back on nipple up B.O.P. trip in with the tbg and muleshoe we tag at (6805) with 210 JTS laydown 4 JTS close B.O.P. and lock. and rig up pump and tank. and we done.
6:00 to 6:30 Crew travel to town.

PAYROLL SECTION

	EMPLOYEE	Emp. #	Revenue Hours	Travel Hours	Non-Revenue Hours	TOTAL
OPERATOR	José Jiménez		11.5	1		12.5
DERRICK	Jacob Jiménez					
FLOORHAND	Andres Rodarte					
FLOORHAND	Manuel Q. Aguilar					
FLOORHAND						

NO ACCIDENTS PER MY SIGNATURE José Jiménez

BAYOU WORKOVER SERVICES RIG SUPERVISOR _____ CUSTOMER / AGENT _____

WHITE - CUSTOMER CANARY - HOUSTON COPY PINK - RIG COPY GOLD - FIELD COPY

Anadarko Petroleum Corp

Well Data:

Surface Casing:	8-5/8" 24 lb/ft; 300 ft
Production Casing:	4-1/2"; 11.6 lb/ft;
Tubing:	2-3/8; 4.7 lb/ft

Cement Blends

Plug 1 (6825ft) : 0 :1 :0 Neat G

Volume: **50 sacks**

Water Requirement	:gal/sk	4.98
Yield	:ft^3/sk	1.15
Density	:lbs/gal	15.8
Working Time	:hrs:min	4:00
Temperature	200 deg	

Plug 2 (500ft) : 0 :1 :0 Neat G

Volume: **250 sacks**

Cement Calcuations

.0565

Plug 1:	595 ft × 0.0873 ft^3/ft	= 51.9 ft^3
	51.9 ft^3 / 1.15ft^3/sk	= **50 sks**

.0039 24.3 SS/S displacement

Squeeze 2: 23.4 658' plug

(Annular)	200 ft × 0.6750 ft^3/ft	= 135.0 ft^3
	135.0 ft^3 × 20% excess	= 162.0 ft^3
(C&C Annular)	300 ft × 0.2471 ft^3/ft	= 74.1 ft^3
(Capacity)	500 ft × 0.0873 ft^3/ft	= 43.6 ft^3
Tail *(Total)*	279.7 ft^3 / 1.15 ft^3/sk	= **250 sks**

Plug Procedure- Day 1

1. Run in hole with tubing to required depth
2. Rig in a Sanjel Cementing Unit, Surface treating lines to tubing.
3. Hold Safety Meeting, pressure test surface treating lines to 3000 psi or max pressure per representative on location.

4. Establish Circulation Rate and Pressure, Mix and Pump
   A. **10 bbls** Fresh Water
   B. **10.2 bbls** (50 sacks) Neat G mixed at 15.8 lbs/gal
   C. Pump displacement to balance plug
   D. POOH w/ tubing to 500 ft above TOC and reverse clean
   E. POOH w/ tubing
   F. Swage to 4 ½ in 11.6 lb/ft casing
   G. **10 bbls** Fresh Water
   H. **51.2 bbls** (250 sacks) Neat G mixed at 15.8 lbs/gal or unitl CTS
   I. Pump **1 bbl** Displacement to clear pumps and lines

5. Rig Out Sanjel

PLUG CEMENT			**inch**					
SERVICES								
1380	Pumping Unit Travel			30	miles	$7.50	/ mile	$225.00
1110	Remedial Single Unit Base Charge			6825	feet	$7,300.00	/ 6 hours	$7,300.00
1150	Remedial Twin Unit Surcharge					$1,460.00	/ 6 hours	$1,460.00
1480	Bulk Cement Blending			300	ft^3	$3.30	/ ft^3	$990.00
1485	Bulk Cement Delivery			14.1	tons	$2.55	/ ton*mile	$1,095.00
1497	SAM III - Data Acquisition			1	job	$1,015.00	/ job	$1,015.00
PLUG CEMENT								
3000	0:1:0 'G' Cement			300	sacks	$30.00	/ sack	$9,000.00
OTHER MATERIALS								
1492	Envirobag	1	bag			$78.00	/ bag	$78.00
3262	CDF-3L (DF-3)	1	gal			$141.00	/ gal	$141.00
NON-DISCOUNTED ITEMS								
1493	Environmental Surcharge	1	job			$50.00	/ job	$50.00
3625	Sugar	100	lb			$2.00	/lb	$200.00
1395	Twin Unit - Add. Pumping	1	hour			$525.00	/ hour	$525.00
1398	Bulk Unit- Standby	1	hour			$285.00	/ hour	$285.00
NON-DISCOUNTED TOTAL								**$22,364.00**
						DISCOUNT:	58%	($12,356.32)
DISCOUNTED TOTAL								$10,007.68
						MARKET ADJUSTMENT	10%	$1,000.77
GRAND TOTAL								**$9,006.91**

A minimum of two additional hours of pumping time per pumping operation will be charged after initial 6 hours location time. Hours will be charged as follows:

Twin Cement Pumping Unit – per unit, per hour

Pumping Time..... $525/hr

Standby Time..... $340/hr

Bulk Cement Unit – per unit, per hour

Standby Time..... $285/hr

NOTE:

Travel charges are an estimate only. Invoice price will be based upon actual distance traveled. Equipment charges are for specified operating times. Hourly rates will be charged for operating times greater than specified. Federal and State taxes where applicable are additional. Quote is valid for 30 days from the date it is submitted.

Sanjel

GENERAL TERMS & CONDITIONS

General Terms and Conditions

Under these terms and conditions ("**T&C's**") Sanjel (USA) Inc. ("**Sanjel**") agrees to provide, and you agree to purchase, the goods and services in the attached proposal or work order ("**goods**," "**services**" or "**goods and services**"). You understand and agree that the T&Cs govern and control the provision of all goods or services Sanjel provides to you, including any goods or services Sanjel provides or performs under written or oral requests for goods or services. You accept the T&Cs by informing Sanjel or allowing Sanjel to provide goods and services, whichever is first. You cannot change the T&Cs, and Sanjel rejects any proposals on your forms or otherwise. When used in the T&Cs, "**we**," "**us**," and "**our**" refer to both you and Sanjel, collectively.

1. **Entire Agreement.** If we have signed an agreement applicable to the goods and services, that agreement will apply and the T&Cs do not. If no signed agreement exists between us, the T&Cs are our entire agreement for the goods and services, and no prior discussion, agreement, conduct, or industry practice will affect them. The T&Cs may not be changed, superseded or replaced by any other agreement (including any terms in a purchase order, service order, invoice or other similar document) unless specifically agreed by each of us in writing.

2. **Acknowledgment.** You understand that interpretations, research, analysis, advice or interpretational data furnished by Sanjel ("**Recommendations**") are opinions based on inferences from measurements, empirical relationships and assumptions and industry practice and that Recommendations are not infallible, and the opinions of professional geologists, engineers, drilling consultants and analysts may differ. Sanjel does not warrant the accuracy, correctness, or completeness of the Recommendations, or that your or any third party's reliance on the Recommendations will accomplish any particular results. You assume full responsibility for the use of and decisions based on the Recommendations, and you hereby agree to release, defend, indemnify and hold Sanjel harmless from Claims arising from the use of the Recommendations.

3. **Payment.** You will pay Sanjel for the goods and services at the rates in the applicable proposal or work order (which are good for 90 days) in US dollars within 30 days of receipt of performance or a correct invoice, whichever is later. Sanjel may charge interest at 18% per year on all overdue amounts, and you will bear all costs of collection of overdue accounts, including legal fees.

4. **Services.** You acknowledge and agree that the services Sanjel may perform are of such a nature that results cannot be guaranteed, and Sanjel makes no representations, warranties or guarantees with respect to the results of the services. Sanjel's only warranty with regard to the services is that they will conform to the material aspects of the applicable scope of work.

5. **Goods.** Sanjel may provide goods to you under the T&Cs or in connection with the services. Sanjel warrants that goods will (a) substantially conform to the applicable scope of work (b) be free of defects and of good quality and workmanship, and (c) not be subject to any liens, claims or encumbrances. There are no warranties, express or implied, of merchantability, use, and fitness that extend beyond those expressly stated herein.

6. **Warranty Remedies.** Sanjel will re-perform any non-conforming services if Sanjel is notified before leaving the work site, and will repair or replace any non-conforming or defective goods you notify Sanjel of within 30 days after Sanjel provided them to you free of charge. If Sanjel is unable to repair the non-conforming services, Sanjel will reimburse you for costs of a third party to repair such services, up to 10% of the original work order for such services. If fishing services are required to retrieve goods, Sanjel may specify the provider and be present during recovery. The remedies will not apply if damage is caused by: (i) your failure to properly store or maintain the goods, (ii) abnormal well conditions, abrasive materials, corrosion due to aggressive fluids or incorrect specifications, (iii) unauthorized alteration or repair of the goods, (iv) loss of goods while on your site due to your or any third party's negligence, vandalism or force majeure, (v) Sanjel's lack of or incorrect information regarding well conditions, or (vi) use or handling of the goods in a manner inconsistent with Sanjel's recommendations. Sanjel's warranty obligations will terminate if you fail to perform your obligations, including your failure to pay on time.

7. **Delay and Cancellation.** If Sanjel cannot provide goods or services to you due to circumstances beyond its control, Sanjel may charge you actual costs incurred, including but not limited to: mileage; blending; materials (including handling and hauling); return delivery and restocking charges; and all location time in excess of the location time allowance. Orders for goods or services that you cancel after Sanjel has procured the required materials may be subject to a 25% restocking fee. If Sanjel provides materials to your specifications and you cancel for any reason (including an uncontrollable event) you will be charged a cancellation fee plus actual costs incurred as a result of such cancellation.

8. **Taxes.** Prices are exclusive of any municipal, state, federal, special or use taxes or levies imposed on the sale of goods or services. You will be responsible for all taxes applicable to the provision of the goods or services.

9. **Additional Services Requests.** You will pay for services, equipment or materials not listed in a proposal but purchased or rented by Sanjel at your request at cost plus 25%. Sanjel has no liability to you for such services, equipment or materials.

10. **Proprietary Rights.** You acknowledge that any intellectual property Sanjel uses in connection with the T&Cs, or that is created or developed by Sanjel in the course of performing under the T&Cs, is the property of Sanjel at all times, and you understand that you are not entitled to any intellectual property rights in any of Sanjel's intellectual property, except as required to receive the benefit of the goods or services.

11. **Confidentiality.** Any non-public information that we learn about eachother in connection with the T&Cs, including our relationship, is confidential information of the disclosing party, and neither of us may disclose confidential information of the other to any third party without the prior written consent of the disclosing party. We may each use confidential information of the other to perform under the T&Cs, and may share it only on a need-to-know basis with employees.

12. **Indemnity. (A) Subject to Section 12(b) below, each of us ("Indemnitor") hereby agrees to release, defend, indemnify and hold the other, its affiliates, officers, directors, agents, partners, joint venturers, employees and contractors of every tier ("Indemnitee Group") harmless for all losses, claims, demands, causes of action, costs and expenses (including reasonable legal fees) (collectively, "Claims"), for personal injury, death and property damage to Indemnitor, its affiliates, officers, directors, agents, partners, joint venturers, employees and contractors of every tier arising out of or incident to the T&Cs or any goods or services provided hereunder, without regard to whether such Claim is caused, in whole or in part, by the negligence (whether sole, joint or concurrent, active or passive), contractual liability or other fault of any member of the Indemnitee Group or by any defect or pre-existing condition (whether known or unknown, patent or otherwise). (B) You hereby agree to release, defend, indemnify and hold Sanjel harmless for any Claims Sanjel may suffer or incur arising out of or incident to: well blowout or any uncontrolled well condition, fire, cratering, redrill or sidetracking, seepage or reservoir damage, loss or damage to the hole, pollution and contamination (except sudden and accidental pollution originating above the service of the earth and emanating from Sanjel's equipment while in Sanjel's care, custody and control), and loss or damage to Sanjel's (or its contractors') equipment while down the hole at new replacement value; even if caused in whole or in part by the sole, joint or concurrent negligence or other fault (active or passive) of Sanjel or any other person.**

13. **Consequential Damages Exclusion: Notwithstanding anything to the contrary, neither of us will be liable to the other for business interruptions, punitive, indirect or consequential damages relating to the goods or services (including but not limited to any loss of profit, loss of expected revenue, loss of hydrocarbons or loss of rig time).**

14. **Disposal of Chemicals.** You will arrange and be responsible for the disposal of any used chemicals and hazardous materials related to the goods or services.

15. **Insurance.** Each of us will maintain, at its own cost, commercial general liability insurance covering its indemnification obligations under the T&Cs with combined single limits of at least $5,000,000 per occurrence and in the aggregate. We will obtain insurance from carriers with AM Best ratings of at least A-VII (or equivalent), ensure the other party is named as an additional insured, and ensure that our carriers waive rights of subrogation against the other party.

16. **Uncontrollable Events.** Except for payment obligations, if either of us is unable to comply with the T&Cs because of events beyond our reasonable control, we will promptly notify the other in writing and will make reasonable efforts to restore our ability to perform as soon as possible. If the inability to perform continues for more than 10 days, the other party may cancel the applicable job immediately, by giving written notice to the affected party.

17. **Waiver.** Failure to enforce any or all of the T&Cs will not relieve either party of its rights or obligations or constitute a waiver or prevent further enforcement.

18. **Assignment.** You will not assign any of your rights or obligations under this PO without Sanjel's approval, which Sanjel may not unreasonably withhold. Any assignment in violation of this provision will be null and void.

19. **Governing Law.** We agree that the laws of the State of Colorado govern the T&Cs, without the application of choice of law rules. Each of us voluntarily submits to the jurisdiction and venue of the federal or state courts (as applicable) of the State of Colorado for the adjudication of all disputes under the T&Cs.

Sanjel

December 17, 2015

PDC Energy
1775 Sherman St. Suite 3000
Denver, CO 80203

Attention: Mr. Ryan Beam
Phone: 970-405-8585

Spaur 10-1

NWSW Sec 10 – T4N – R67W

Weld County, CO

Plug and Abandonnent Cement Proposal

Prepared by:
Matt Spirek
Sanjel USA
Phone: 701-339-2766
E-mail: mspirek@sanjel.com

Service Location:
Ft. Lupton, CO
(303) 857-7948

Sanjel

Service Ticket
9209039
Field Estimate

Client Name	Well Name	Surface Well Location	Job Date
PDC Energy, Inc.	Spaur 10-1	NW SW Sec 10:T4N:R67W	December 18, 2015

	Job Type	Down Hole Location	Service Point	Call Sheet
	Abandonment Plugs		Fort Lupton	1063365

Address	Client Representative	State	County	Pricing Area
PO Box 26 Attn: Accounts Payable	Ryan Beam	CO	Weld	Northern US

City	State	Postal Code	Drilling Company	Rig No.	AFE/PO #
Bridgeport	WV	26330	BWS	3	

District	Service, Equipment & Material Type	Disc	SL	Code	Quantity/Unit	Unit Price	Amount		
D505	Remedial & Liner Cementing - Base Charge 6001 to 7000 ft	58	13	111136	1	$7,300.00	$7,300.00		T
D505	In Addition To The Base Charge Per All Twins On Location	58	13	111168	1	$1,460.00	$1,460.00		T
D505	Bulk Handling Service Charge	58	13	111480	400	$3.30	$1,320.00		T
D505	Bulk Delivery / Return Charge (18.8 Unit(s) X 30 miles)	58	13	111484	564	$2.55	$1,438.20		T
D505	SAM Unit	58	13	111497	1	$1,015.00	$1,015.00		T
D505	Class G Cement	58	13	113000	340	$30.00	$10,200.00		T
D505	Cement Dust EnviroBag	58	13	111492	1	$78.00	$78.00		T
D505	CDF-3L Cement Defoamer	58	13	113262	5	$141.00	$705.00		T
D505	Environmental Surcharge	-	13	111493	1	$50.00	$50.00	*	
D505	Twin Cement Pump Additional Location Time	-	13	111395	2	$525.00	$1,050.00	*	
D505	Bulk Standby Time	-	13	111398	2	$285.00	$570.00	*	

* Not Subject to Discount

T TMA Applied

Field Estimate

Before Discount:	**$25,186.20**
Discount Amount:	**$13,639.40**
TMA:	**$987.68**
Net Amount:	**$10,559.12**

FOR OFFICE USE ONLY

☑	Cementing - Prim	☐	Cementing -Rem.	☐	Code 9000
☐	Coiled Tubing	☐	Nitrogen		
☐	Acidization	☐	Fracturing		
☐	Industrial Services	☐	MPCT		
☐	Other				

Field | Sales 1 | Sales 2

This Space Reserved for Client Coding Stamp

Comments

This service ticket is not an invoice; pricing is subject to review and change without notice. This signature confirms that I have read and comply with the terms and conditions page of this service ticket.

X

General Terms and Conditions

Under these terms and conditions (**"T&C's"**) Sanjel (USA) Inc. (**"Sanjel"**) agrees to provide, and you agree to purchase, the goods and services in the attached proposal or work order (**"goods," "services"** or **"goods and services"**). You understand and agree that the T&Cs govern and control the provision of all goods or services Sanjel provides to you, including any goods or services Sanjel provides or performs under written or oral requests for goods or services. You accept the T&Cs by informing Sanjel or allowing Sanjel to provide goods and services, whichever is first. You cannot change the T&Cs, and Sanjel rejects any proposals on your forms or otherwise. When used in the T&Cs, **"we," "us,"** and **"our"** refer to both you and Sanjel, collectively.

1. **Entire Agreement.** If we have signed an agreement applicable to the goods and services, that agreement will apply and the T&Cs do not. If no signed agreement exists between us, the T&Cs are our entire agreement for the goods and services, and no prior discussion, agreement, conduct, or industry practice will affect them. The T&Cs may not be changed, superseded or replaced by any other agreement (including any terms in a purchase order, service order, invoice or other similar document) unless specifically agreed by each of us in writing.

2. **Acknowledgment.** You understand that interpretations, research, analysis, advice or interpretational data furnished by Sanjel (**"Recommendations"**) are opinions based on inferences from measurements, empirical relationships and assumptions and industry practice and that Recommendations are not infallible, and the opinions of professional geologists, engineers, drilling consultants and analysts may differ. Sanjel does not warrant the accuracy, correctness, or completeness of the Recommendations, or that your or any third party's reliance on the Recommendations will accomplish any particular results. You assume full responsibility for the use of and decisions based on the Recommendations, and you hereby agree to release, defend, indemnify and hold Sanjel harmless from Claims arising from the use of the Recommendations.

3. **Payment.** You will pay Sanjel at the rates in the applicable proposal or work order (which are good for 90 days) in US dollars within 30 days of performance or a correct invoice, whichever is later. Sanjel may charge interest at 18% per year on all overdue amounts, and you will bear all costs of collection of overdue accounts, including legal fees.

4. **Services.** You acknowledge and agree that the services Sanjel may perform are of such a nature that results cannot be guaranteed, and Sanjel makes no representations, warranties or guarantees with respect to the results of the services. Sanjel's only warranty with regard to the services is that they will conform to the material aspects of the applicable scope of work.

5. **Goods.** Sanjel may provide goods to you under the T&Cs or in connection with the services. Sanjel warrants that goods will (a) substantially conform to the applicable scope of work (b) be free of defects and of good quality and workmanship, and (c) not be subject to any liens, claims or encumbrances. There are no warranties, express or implied, of merchantability, use, and fitness that extend beyond those expressly stated herein.

6. **Warranty Remedies.** Sanjel will re-perform any non-conforming services if Sanjel is notified before leaving the work site, and will repair or replace any non-conforming or defective goods you notify Sanjel of within 30 days after Sanjel provided them to you free of charge. If Sanjel is unable to repair the non-conforming services, Sanjel will reimburse you for costs of a third party to repair such services, up to 10% of the original work order for such services. If fishing services are required to retrieve goods, Sanjel may specify the provider and be present during recovery. The remedies will not apply if damage is caused by: (i) your failure to properly store or maintain the goods, (ii) abnormal well conditions, abrasive materials, corrosion due to aggressive fluids or incorrect specifications, (iii) unauthorized alteration or repair of the goods, (iv) loss of goods while on your site due to your or any third party's negligence, vandalism or force majeure, (v) Sanjel's lack of or incorrect information regarding well conditions, or (vi) use or handling of the goods in a manner inconsistent with Sanjel's recommendations. Sanjel's warranty obligations will terminate if you fail to perform your obligations, including your failure to pay on time.

7. **Delay and Cancellation.** If Sanjel cannot provide goods or services to you due to circumstances beyond its control, Sanjel may charge you actual costs incurred, including but not limited to: mileage; blending; materials (including handling and hauling); return delivery and restocking charges; and all location time in excess of the location time allowance. Orders for goods or services that you cancel after Sanjel has procured the required materials may be subject to a 25% restocking fee. If Sanjel provides materials to your specifications and you cancel for any reason (including an uncontrollable event) you will be charged a cancellation fee plus actual costs incurred as a result of such cancellation.

8. **Taxes.** Prices are exclusive of any municipal, state, federal, special or use taxes or levies imposed on the sale of goods or services. You will be responsible for all taxes applicable to the provision of the goods or services.

9. **Additional Services Requests.** You will pay for services, equipment or materials not listed in a proposal but purchased or rented by Sanjel at your request at cost plus 25%. Sanjel has no liability to you for such services, equipment or materials.

10. **Proprietary Rights.** You acknowledge that any intellectual property Sanjel uses in connection with the T&Cs, or that is created or developed by Sanjel in the course of performing under the T&Cs, is the property of Sanjel at all times, and you understand that you are not entitled to any intellectual property rights in any of Sanjel's intellectual property, except as required to receive the benefit of the goods or services.

11. **Confidentiality.** Any non-public information that we learn about eachother in connection with the T&Cs, including our relationship, is confidential information of the disclosing party, and neither of us may disclose confidential information of the other to any third party without the prior written consent of the disclosing party. We may each use confidential information of the other to perform under the T&Cs, and may share it only on a need-to-know basis with employees.

12. **Indemnity. (A) Subject to Section 12(b) below, each of us ("Indemnitor") hereby agrees to release, defend, indemnify and hold the other, its affiliates, officers, directors, agents, partners, joint venturers, employees and contractors of every tier ("Indemnitee Group") harmless for all losses, claims, demands, causes of action, costs and expenses (including reasonable legal fees) (collectively, "Claims"), for personal injury, death and property damage to Indemnitor, its affiliates, officers, directors, agents, partners, joint venturers, employees and contractors of every tier arising out of or incident to the T&Cs or any goods or services provided hereunder, without regard to whether such Claim is caused, in whole or in part, by the negligence (whether sole, joint or concurrent, active or passive), contractual liability or other fault of any member of the Indemnitee Group or by any defect or pre-existing condition (whether known or unknown, patent or otherwise). (B) You hereby agree to release, defend, indemnify and hold Sanjel harmless for any Claims Sanjel may suffer or incur arising out of or incident to: well blowout or any uncontrolled well condition, fire, cratering, redrill or sidetracking, seepage or reservoir damage, loss or damage to the hole, pollution and contamination (except sudden and accidental pollution originating above the service of the earth and emanating from Sanjel's equipment while in Sanjel's care, custody and control), and loss or damage to Sanjel's (or its contractors') equipment while down the hole at new replacement value; even if caused in whole or in part by the sole, joint or concurrent negligence or other fault of Sanjel or any other person.**

13. **Consequential Damages Exclusion: Notwithstanding anything to the contrary, neither of us will be liable to the other for business interruptions, punitive, indirect or consequential damages relating to the goods or services (including but not limited to any loss of profit, loss of expected revenue, loss of hydrocarbons or loss of rig time).**

14. **Disposal of Chemicals.** You will arrange and be responsible for the disposal of any used chemicals and hazardous materials related to the goods or services.

15. **Insurance.** Each of us will maintain, at its own cost, commercial general liability insurance covering its indemnification obligations under the T&Cs with combined single limits of at least $5,000,000 per occurrence and in the aggregate, worker's compensation coverage as and in amounts required by applicable law, and automobile liability coverage with a combined single limit of $2,000,000. We will obtain insurance from carriers with AM Best ratings of at least A-VII (or equivalent), ensure the other party is named as an additional insured, and ensure that our carriers waive rights of subrogation against the other party.

16. **Uncontrollable Events.** Except for payment obligations, if either of us is unable to comply with the T&Cs because of events beyond our reasonable control, we will promptly notify the other in writing and will make reasonable efforts to restore our ability to perform as soon as possible. If the inability to perform continues for more than 10 days, the other party may cancel the applicable job immediately, by giving written notice to the affected party.

17. **Waiver.** Failure to enforce any or all of the T&Cs will not relieve either party of its rights or obligations or constitute a waiver or prevent further enforcement.

18. **Assignment.** You will not assign any of your rights or obligations under this PO without Sanjel's approval, which Sanjel may not unreasonably withhold. Any assignment in violation of this provision will be null and void.

19. **Governing Law.** We agree that the laws of the State of Colorado govern the T&Cs, without the application of choice of law rules. Each of us voluntarily submits to the jurisdiction and venue of the federal or state courts (as applicable) of the State of Colorado for the adjudication of all disputes under the T&Cs.

April 2014

Sanjel

Cementing Service Report

9209039

Client Name	Well Name	Rig	Job Date	Call Sheet
PDC Energy, Inc.	Spaur 10-1	BWS 3	December 18,2015	1063365
Client Representative	**Surface Well Location**	**Down Hole Well Location**	**Job Type**	**Lead Supervisior**
Ryan Beam	NW SW Sec 10:T4N:R67W		Abandonment Plugs	Schneider, Patrick (24093)

Well Profile

Well Type: Oil

Maximum Treating Pressure (psi): ---

Predicted Bottom Hole Static Temperature (°F): --- @ --

Bottom Hole Circulating Temperature (°F): --- @ --

Bottom Hole Logged Temperature (°F): --- @ --

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
12.000	--	300.000	6,788.000	--	--

Casing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
8.625	24.000	J-55	1,370.0	2,950.0	19.11	8.097	9.625	0.0	300.0
4.500	11.600	J-55	4,960.0	5,350.0	105.50	4.000	5.000	0.0	6,788.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	J-55	8,100.000	26.240	1.995	2.910	0.000	6,788.000

Products

Plug 1

From Depth (ft): 6130

To Depth (ft): 6788

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 50 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 10.2 (bbl)
Water Temperature(°F) = 48 , Bulk Temperature(°F) = 5 , Slurry Temperature(°F) = 50

Plug 2

From Depth (ft): 0

To Depth (ft): 500

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 290 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 59.4 (bbl)
Water Temperature(°F) = 51 , Bulk Temperature(°F) = 20 , Slurry Temperature(°F) = 57

Fluid & Cement Data

Expected Cement Top: Surface

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Dec 01, 2015 16:01

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Bridge Plug	6,790.000	Third Party

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201173	PICKUP	1 Ton	449093	TRAILER	Utility Trailer	12/18/2015 07:00	12/18/2015 16:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	12/18/2015 07:00	12/18/2015 16:00
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	12/18/2015 07:00	12/18/2015 16:00

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Schneider, Patrick (24093)	12/18/2015 07:00	12/18/2015 16:00		
Yates, William (29930)	12/18/2015 07:00	12/18/2015 16:00		
Decenick, Scott (30083)	12/18/2015 07:00	12/18/2015 16:00		

Treatment Reports & Remarks

Sanjel

Cementing Service Report

9209039

Treatment Reports & Remarks

Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	Dec 18,2015 07:00	Arrive On Location		–	–	--	--	0.00
2	Dec 18,2015 07:30	Crew Briefing (Rig in)		–	–	--	--	0.00
	Remarks: discussed lease hazards and rig in procedures							
3	Dec 18,2015 08:00	Rig In		–	–	--	--	0.00
4	Dec 18,2015 08:30	Rig in Complete		–	–	--	--	0.00
5	Dec 18,2015 08:30	Wait On Instructions		–	–	--	--	0.00
	Remarks: waited for rig to thaw their pump and circulate the hole							
6	Dec 18,2015 09:45	Crew Briefing (Pre Job)		–	–	--	--	0.00
	Remarks: discussed job scope and everyones dutys							
7	Dec 18,2015 10:25	Start - Fluid	Water	1.00	–	--	1.00	1.00
	Remarks: filled lines							
8	Dec 18,2015 10:26	Pressure Test Start	Water	–	2,000.0	--	--	1.00
	Remarks: `							
9	Dec 18,2015 10:28	Pressure Test Complete	Water	–	0.0	--	--	1.00
	Remarks: good pressure test							
10	Dec 18,2015 10:28	Pump Preflush	Water	2.00	500.0	--	15.00	16.00
11	Dec 18,2015 10:39	Mix Cement	0-1-0 G	2.00	300.0	--	10.20	26.20
	Remarks: 50 sks plug cement @ 15.8 ppg yield = 1.15 h2o req = 4.98							
12	Dec 18,2015 10:44	Displace Fluid	Water	2.25	0.0	--	23.40	49.60
	Remarks: displaced to balance							
13	Dec 18,2015 10:53	Balance Plug	Water	–	0.0	--	--	49.60
14	Dec 18,2015 10:55	Wait On Instructions		–	–	--	--	49.60
	Remarks: waited for rig to pull tubing and run wireline							
15	Dec 18,2015 15:20	Start - Fluid	Water	1.00	–	--	1.00	1.00
	Remarks: filled lines							
16	Dec 18,2015 15:22	Pressure Test	Water	–	2,000.0	--	--	1.00
	Remarks: good pressure test							
17	Dec 18,2015 15:24	Pump Preflush	Water	1.50	25.0	--	10.00	11.00
	Remarks: fresh water							
18	Dec 18,2015 15:30	Mix Cement	0-1-0 G	3.00	100.0	--	59.40	70.40
	Remarks: 290 sks plug @ 15.8 ppg yield = 1.15 h2o req = 4.98							
19	Dec 18,2015 15:57	Displace Fluid	Water	1.75	50.0	--	0.50	70.90
	Remarks: displaced cement out of our lines							
20	Dec 18,2015 15:58	Balance Plug	Water	–	0.0	--	--	70.90
21	Dec 18,2015 16:00	Tailgate Meeting		–	–	--	--	70.90
	Remarks: revisited JSA							
22	Dec 18,2015 16:05	Rig Out		–	–	--	--	70.90
23	Dec 18,2015 16:15	Wash	Water	–	–	--	--	70.90
	Remarks: washed out pumps and lines							
24	Dec 18,2015 16:30	Job Complete		–	–	--	--	49.60
25	Dec 18,2015 16:45	Pre-Departure Meeting		–	–	--	--	49.60
26	Dec 18,2015 17:00	Leave Location		–	–	--	--	49.60

Sanjel

Cementing Service Report

9209039

Treatment Reports & Remarks

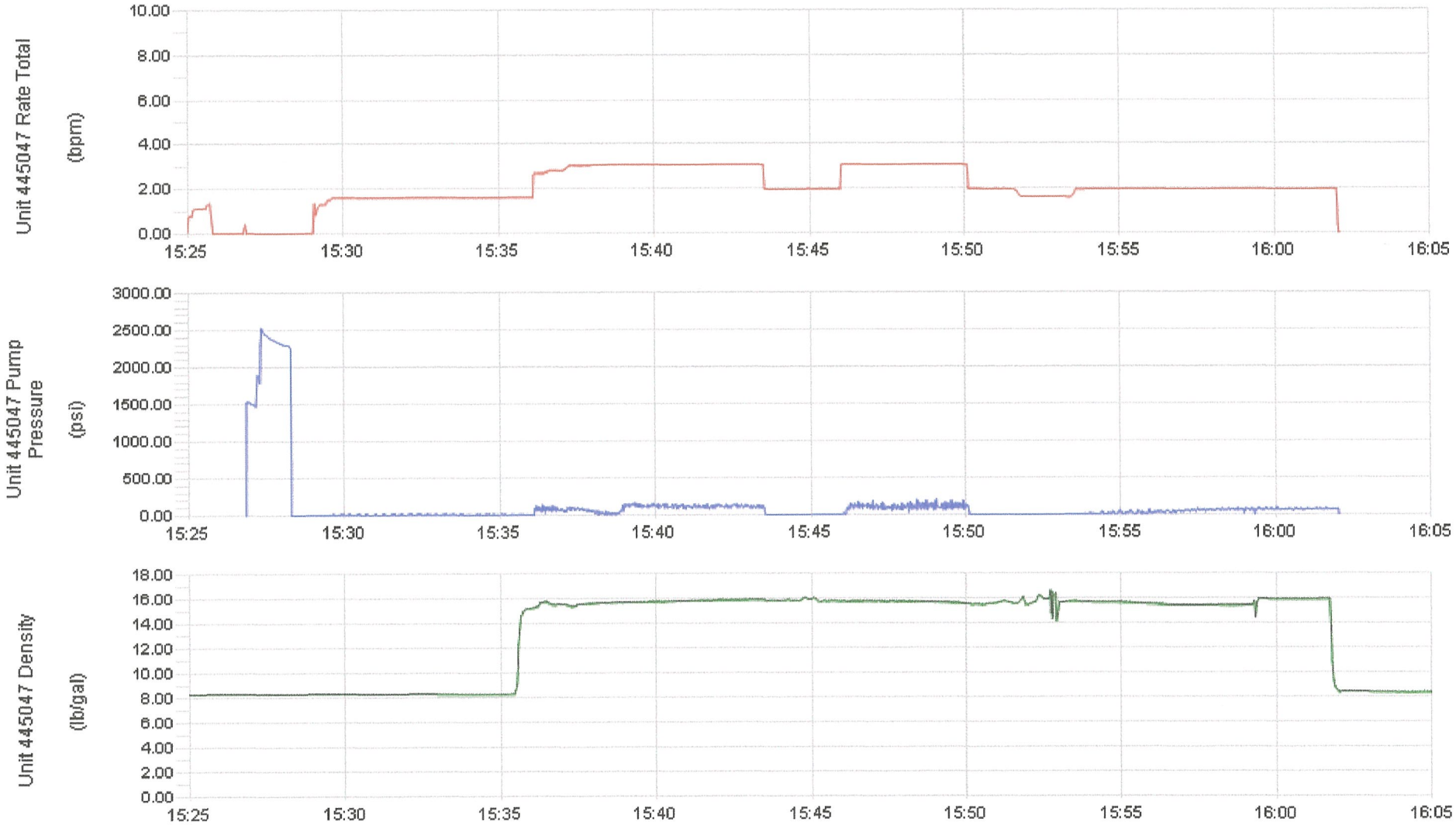
Did Float Hold:	Not Applicable
Fluid Returns :	Yes
Type :	Cement
Volume (bbl) :	6
Temperature (°F) :	60
FDAS Functioning Correctly :	Yes
Was the Program Followed As Per Design? :	Yes

Material Transfer Sheet Number

Material Transfer Sheet Number
63098

Sanjel

Client	PDC	Client Rep	Mr. Ryan Beam	Supervisor	Pat Schneider
Ticket No.	9209039	Well Name	Spaur 10-1	Unit No.	445047
Location	NW SW Sec. 10-ZT4N-R67W	Job Type	Abandonment Plugs	Service District	Ft. Lupton
Comments	290 sks 0:1:0 'G' @ 15.8 ppg			Job Date	12/18/2015



Sanjel

Crew Briefing (STEACS)
Prior to Executing Job/Task - Execution

General Information	
Client: PDC Energy	Date: 12/18/2015
Location (LSD): NW SW Sec. 10 - T4N - R67W	Time:
People Count:	Type of Job: Abandonment Plugs

Crew Briefing (STEACS)

Situation (a statement of the current conditions in the operating environment):

PDC needs 2 cement plugs pumped

Task (a statement of the overall goal):

We will be pumping 2 cement plugs for PDC

Execution

General Concept of the Plan:

Arrive on location, spot trucks, rig in treating lines & water hoses, fill lines and Pressure test to 3,000 psi, pump 10 bbl water, pump 10.2 bbl cement @ 15.8 ppg, displace water to balance, wait for rig to pull tubing, fill lines and pressure test to 3,000 psi, pump 10 bbl water, pump 51.2 bbl cement @ 15.8 ppg, displace water to balance, rig out treating lines and water hoses, wash pumps and lines, leave location.

Maximum Pressure: 2,500 psi	Set Pressure Relief: 3,200 psi
Pressure Test: 3,000 psi	Hold for (min): 2 min

Specific Duties of Teams and Individuals

Who	Timing, Action and Resources (Comments)
All	Spot trucks, rig in, rig out
Pat	Supervise all aspects of cementing process
Tony	Operate SCM during cementing process
Scott	Operate Bulk Truck during cementing process

Assistance (Who will help):

Rig crew--They will operate their own equipment

Communication (Explain how, when, and to who):

Radios/Hand signals

NABORS

PLEASE REMIT TO:
NABORS COMPLETION & PRODUCTION SERVICES CO.
P.O. BOX 975682
DALLAS, TX 75397-5682
435-725-5344

FIELD TICKET No. - 32380

DELIVERED FROM Ft. Lupton

DATE 12-18-15

INVOICE NO.	P.O. NO.	AFE NO.
CUSTOMER NO.	LEASE Spaur	WELL NO. 10-1
CUSTOMER PDC	FIELD Wattenberg STATE CO	COUNTY Weld
ADDRESS	LOCATION Hwy 60 & CR 19	
CITY	CASING SIZE & WT. 4 1/2	TBG. SIZE
STATE ZIP	TYPE OF JOB Plug/Cement	
ORDERED BY R. Beam	TITLE	SERVICE SUPV. GN

PART NO.	DESCRIPTION	REV. CODE	QTY.	UNIT PRICE	AMOUNT
75 820 1111	Set 3rd Party CIBP		1		2300 00
75 820 1111	Dumpbail 2sxs Cement		1		900 00
75 810 1111	4shot SQZ Gun @ 500'		1		1300 00
75 810 1111	Pack-Off		1		400 00
	3 1/8 PPlug Gun				
	11g Charges Titan				
	1.38 EH				
	11.25" Pen				
	4shots				
	120° Phased				

CALLED OUT	ON LOCATION	COMPLETED		
Time	12:30 Time	2:30 Time	TOTAL SERVICE & MATERIALS	4900 00
Date	Date	Date	-15% DISCOUNT	-735 00
			TAX	
			TOTAL CHARGES	4165 00

*ACCIDENT REPORT MUST BE ATTACHED WHEN NOT SIGNED

WITH MY INITIALS, I CONFIRM THAT THE TIME SHOWN IN THE "HOURS" COLUMN, ACCURATELY REFLECTS MY COMPENSABLE TIME.

I was not injured, involved in or witness to an accident during the performance of this work. If an injury or accident occurred a signature is not to be provided. The injury or accident is to be reported to the supervisor so that a report can be prepared.

I hereby attest that my employer NCPS, did permit me to eat while working.

Employee Name (Print)	Hours	Initials	Employee Number
Ramsey			
Sarchet			

CUSTOMER AGREES to pay Nabors Completion & Production Services Co. (the "Company") on a net 30 day basis from date of invoice. If Customer disputes any item invoiced, Customer shall, within 20 days after receipt of invoice, notify the Company of the item(s) disputed, specifying the reason(s) therefor; payment of the disputed item(s) may be withheld until settlement of dispute, but payment of undisputed portion of invoice shall be made without delay. All payments shall be made at the address shown on the reverse side of this document. In the absence of a separate written contract, CUSTOMER REPRESENTATIVE REPRESENTS AND WARRANTS THAT HE/SHE IS AUTHORIZED TO ENTER INTO THIS AGREEMENT ON BEHALF OF CUSTOMER AND ACCEPTS ALL TERMS AND CONDITIONS AS PRINTED ON THE REVERSE SIDE OF THIS DOCUMENT (WHICH INCLUDES INDEMNITY LANGUAGE THAT ALLOCATES RISKS RELATED TO THE ABOVE DESCRIBED SERVICES). Pricing and extensions, if shown above, are subject to verification and correction at time of invoicing.

X _____ NABORS COMPLETION & PRODUCTION SERVICES CO.

X _____ CUSTOMER REPRESENTATIVE

White – Main Canary – Customer Pink – Field

WALTER CORPORATION

Field Ticket # № 16036

16036

Date 12/18/2015

Walter Corporation, LLC 33250 CR 53 Gill, CO 80624 Office: 970.301.2028 Fax: 970.284.6682

Bill To Customer:	P D C	**PO#**	**Lease Name:**	Spaur	**Well #** 10-1
Address:	3801 Carson Ave		**County:** Weld	**St:** CO	**Invoice **
City:	Evans	**Field:**	**Job Type:**		**OCSG #:**
State: CO	**Zip:** 80620	**Legal Description:**	**Casing Sz & Wt:**		
Ordered By:			**Service Man**		

NO.	RENTALS/SALES	QTY	PRICE	DSC	TOTAL
1	Sale of 4-1/2 D & H CIBP	1	1,100.00		$1,100.00
2					0.00
3					0.00
4					0.00
5					0.00
6					0.00
7					0.00
8					0.00
9					0.00
10					0.00
11					0.00
12					0.00
13					0.00
14					0.00
	Subtotal Taxable Charges				**$1,100.00**
	SERVICE MANS TIME				
					$0.00
					0.00
					0.00
					0.00
	Subtotal Non-Taxable Charges				**$0.00**
	MILEAGE				
					$0.00
					0.00
					0.00
					0.00
	Subtotal Non-Taxable Charges				**$0.00**

Terms: Net 30 Days

Total Service & Material:	**$1,100.00**
Tax:	**$31.90**
TOTAL CHARGES:	**$1,131.90**

Authorized Agent: _____

Date: _____