

RRC # _____

REPORT # _____ HUB METER _____ RIG # 3

Customer Name <u>P.O. C. Enright</u>	Customer AFE #	Date <u>Dec 29 2015</u>
Mailing Address <u>3801 Carson Ave</u>	City <u>Evans</u>	State <u>CO</u>
	Zip <u>80620</u>	County <u>Weld</u>
Field <u>Spurs 10-2</u>	Lease	Well
Work Description:	Order #	
Workover <input checked="" type="checkbox"/>	Rod _____	Rod & Tubing _____
Swabbing _____	Tubing <input checked="" type="checkbox"/>	Completion _____
		Re-entry _____
		P & A _____

BILLING							
DESCRIPTION	RATE		TOTAL	WORKOVER EQUIPMENT	QTY.	RATE Hr. / Day / Ea.	TOTAL
RIG & CREW	9	Hrs. @ 275 ⁰⁰ Per Hr.	2475	BOP	1	300	300
EXTRA LABOR	9.5	Hrs. @ 48 ⁰⁰ Per Hr.	456	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.				
Crew Travel		1	210 ⁰⁰	105	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 Tong		
Slip Dies <u>2 1/16</u>	1		350	350	Adapter Flange		
Safety Valve					SWABBING EQUIPMENT		
Fishing Tools					Swab Cups - Size		
Pipe Dope					OSR		
Handling Equipment					Swabbing Acid		
pipe rams <u>2 1/16</u>	1		250	250	Fishing Tools		
					Extra Tank		

MISCELLANEOUS: Swab - 715.50 TOTAL BILLABLE AMOUNT THIS FIELD REPORT \$ 4054.50

DESCRIPTION OF WORK: _____
 TIME STARTED 9:00 AM TIME STOPPED 6:30 pm

Crew travel to location. Spent in all the equipment rigged up the rig/pump/tank checked pressures ⁷²⁵/750. Blew down the well and pumped 24 bars down backside and 10 down tubing. Broke flange and nipped up bop's along w/ work floor. (By this point, all equipment was changed over to 2 1/16) Laid all pipe down and shot the well in for the night. Crew to drained pump along w/ all headline. Crew travel home.

PAYROLL SECTION						
EMPLOYEE	Emp. #	Revenue Hours	Travel Hours	Non-Revenue Hours	TOTAL	
OPERATOR <u>Jafet Jimenez</u>		9	.5	0	9.5	
DERRICK <u>Andres Rodarte</u>		9	.5	0	9.5	
FLOORHAND <u>Manuel R Aguilera</u>		9	.5	0	9.5	
FLOORHAND <u>Geovani Sales Torres</u>		9	.5	0	9.5	
FLOORHAND						

NO ACCIDENTS PER MY SIGNATURE Jafet Jimenez

 BAYOU WORKOVER SERVICES RIG SUPERVISOR CUSTOMER / AGENT

RRC # _____

REPORT # _____ HUB METER _____ RIG # 3

Customer Name P.D. Energy Customer AFE # _____ Date December 30, 2015

Mailing Address 3801 Carson Ave City Evans State CO Zip 80620 County _____

Field _____ Lease Sparrow-2 Well _____ Order # _____

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

BILLING							
DESCRIPTION	RATE		TOTAL	WORKOVER EQUIPMENT	QTY.	RATE Hr. / Day / Ea.	TOTAL
RIG & CREW	9	Hrs. @ 275 ⁰⁰ Per Hr.	2475	BOP	1	500	500
EXTRA LABOR	10	Hrs. @ 47 ⁰⁰ Per Hr.	470	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.				
Crew Travel		1	210 ⁰⁰	Pipe Handler			
Tool Pusher				Catwalk			
Per Diem				Pipe Racks			
Stripper Rubbers				Power Swivel			
Pipe Wipers	1		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	OSR			
Handling Equipment				Swabbing Acid			
				Fishing Tools			
				Extra Tank			

MISCELLANEOUS: Saved - 650.25 TOTAL BILLABLE AMOUNT THIS FIELD REPORT \$ 3684.75

DESCRIPTION OF WORK: TIME STARTED 6:00 AM TIME STOPPED 7:10 PM

Crew travel to location. Well had about 20 lbs of pressure. Bled it down to work tank. Pumped down hole til it was full. Rigged up wireline. Went in and set a cast iron plug and went back in w/ the cement. They came out and went back in w/ logging tool but couldn't get no log. They came out and crew ran in w/ muleshoe and 25 joints (2 3/4). Rotted the hole for 25 min. Stood everything back. Rigged up wireline. went in w/ logging tool and went able to get a log. They came out and rigged them down. Shut in our BOP's and pressure tested to 1000 psi. test was good. Crew drained pump/handle. Shut in well. Crew travel home.

PAYROLL SECTION					
EMPLOYEE	Emp. #	Revenue Hours	Travel Hours	Non-Revenue Hours	TOTAL
OPERATOR <u>Jafet Jimenez</u>		9	1	0	10
DERRICK <u>Andres Rodarte</u>		9	1	0	10
FLOORHAND <u>Manuel A. Aguilar</u>		9	1	0	10
FLOORHAND <u>Genero Sales Torres</u>		9	1	0	10

NO ACCIDENTS PER MY SIGNATURE Jafet Jimenez

BAYOU WORKOVER SERVICES RIG SUPERVISOR CUSTOMER / AGENT



DAILY WORK TICKET

61955

RRC # _____

REPORT # _____ HUB METER _____ RIG # rig 3

Customer Name P.D.C. Energy Customer AFE # _____ Date Dec 31 2015

Mailing Address 3801 Carson Ave Evans City CO State CO Zip 80620 County Weld county

Field Sparr 10-2 Lease _____ Well _____ Order # _____

Work Description:
 Workover 1 Rod _____ Rod & Tubing _____ Re-entry _____
 Swabbing _____ Tubing 1 Completion _____ P & A 1

BILLING							
DESCRIPTION	RATE		TOTAL	WORKOVER EQUIPMENT	QTY.	RATE Hr. / Day / Ea.	TOTAL
RIG & CREW	11	Hrs. @ 275.00 Per Hr.	3025	BOP	1	300	300
EXTRA LABOR	12	Hrs. @ 48.00 Per Hr.	576	Pump	1	575	575
RIG FUEL		Hrs. @ _____ Per Hr.		Tank	1	125	125
PUMP FUEL		Hrs. @ _____ Per Hr.		Base Beam	1	40	40
RECHARGE ITEMS		QTY.	RATE Hr. / Day / Ea.				
Crew Travel		1	210.00	Pipe Handler			
Tool Pusher				Catwalk			
Per Diem				Pipe Racks			
Stripper Rubbers				Power Swivel			
Pipe Wipers	1		44	JU / Washington H	1	150	150
Tong Dies				Rod / TBG Tongs			
Slip Dies				Adapter Flange			
Safety Valve				SWABBING EQUIPMENT			
Fishing Tools				Swab Cups - Size			
Pipe Dope	1		36	OSR			
Handling Equipment				Swabbing Acid			
Pipe Rams 4 1/2	1		250	Fishing Tools			
				Extra Tank			

MISCELLANEOUS: Save - 807.15 TOTAL BILLABLE AMOUNT THIS FIELD REPORT \$ 4573.85

DESCRIPTION OF WORK: _____ TIME STARTED 6:00 AM TIME STOPPED 6:00 pm

Crew travel to location. Checked pressures About 200 pounds No tubing in the hole at the time. Rigged up wireline & tried to log once again. No log. We then pressure tested to 1000 psi and it held. Wireline then went in w/ a cutter and cut the casing. Nipped down log floor/BOPs. Removed the flange then released the casing. Rigged everything back up and laid down 10 joints of casing. Picked up moleshuc & went in w/ 25 jts. Broke circulation & rolled the hole for 30 min. Laid down 7 jts and stabbed Sargel on to begin cement. Pumped first stage, laid down 15. left 3 jts in hole. Bored em down & got cement to surface. Shut in well and cleaned up all hardline. Drained pump - hardware. Double check everything. Crew travel for town.

PAYROLL SECTION					
EMPLOYEE	Emp. #	Revenue Hours	Travel Hours	Non-Revenue Hours	TOTAL
OPERATOR <u>Jafet Jimenez</u>		11	1	0	12
DERRICK <u>Andres Rodarte</u>		11	1	0	12
FLOORHAND <u>Mawel Q. Aguilar</u>		11	1	0	12
FLOORHAND <u>Genara Sales Torres</u>		11	1	0	12

NO ACCIDENTS PER MY SIGNATURE Jafet Jimenez

BAYOU WORKOVER SERVICES RIG SUPERVISOR CUSTOMER / AGENT



Service Ticket

9209042

Field Estimate

Client Name PDC Energy, Inc.			Well Name Spaur 10 - 2		Surface Well Location SE NW Sec 10:T4N:R67W		Job Date December 31, 2015	
			Job Type Abandonment Plugs		Down Hole Location		Service Point Fort Lupton	Call Sheet 1063535
Address PO Box 26 Attn: Accounts Payable			Client Representative Mr. Ryan Beam		State CO	County Weld	Pricing Area Northern US	
City Bridgeport	State WV	Postal Code 26330	Drilling Company BWS		Rig No. 3		AFE/PO #	

District	Service, Equipment & Material Type	Disc	SL	Code	Quantity/Unit	Unit Price	Amount	
D505	Travel Charge (1 Unit(s) X 30 miles)	58	13	1380	30	\$7.50	\$225.00	T
D505	Service Charge 0 to 2000 ft	58	13	1100	1	\$4,300.00	\$4,300.00	T
D505	Twin Pumping	58	13	1150	1	\$860.00	\$860.00	T
D505	Handling Service Charge	58	13	1480	300	\$3.30	\$990.00	T
D505	Bulk Delivery / Return Minimum	58	13	1485	1	\$1,095.00	\$1,095.00	T
D505	SAM Unit	58	13	1497	1	\$1,015.00	\$1,015.00	T
D505	OWG	58	13	3000	215	\$30.00	\$6,450.00	T
D505	EnviroBag	58	13	1492	1	\$78.00	\$78.00	T
D505	CDF-3L	58	13	3262	3	\$141.00	\$423.00	T
D505	Environmental Surcharge	-	13	1493	1	\$50.00	\$50.00	*
D505	Sugar	-	13	3265	100	\$2.00	\$200.00	*

<p style="text-align: center;">* Not Subject to Discount</p> <p style="text-align: center;">T TMA Applied</p> <p style="text-align: center;">FOR OFFICE USE ONLY</p> <table border="0" style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> Cementing - Prim</td> <td><input type="checkbox"/> Cementing -Rem.</td> <td><input type="checkbox"/> Code 9000</td> </tr> <tr> <td><input type="checkbox"/> Coiled Tubing</td> <td><input type="checkbox"/> Nitrogen</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Acidization</td> <td><input type="checkbox"/> Fracturing</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Industrial Services</td> <td><input type="checkbox"/> MPCT</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> <td></td> </tr> </table> <p style="text-align: center; font-size: small;">This Space Reserved for Client Coding Stamp</p>	<input checked="" type="checkbox"/> Cementing - Prim	<input type="checkbox"/> Cementing -Rem.	<input type="checkbox"/> Code 9000	<input type="checkbox"/> Coiled Tubing	<input type="checkbox"/> Nitrogen		<input type="checkbox"/> Acidization	<input type="checkbox"/> Fracturing		<input type="checkbox"/> Industrial Services	<input type="checkbox"/> MPCT		<input type="checkbox"/> Other			Field Estimate	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Before Discount:</td> <td style="text-align: right;">\$15,686.00</td> </tr> <tr> <td>Discount Amount:</td> <td style="text-align: right;">\$8,952.88</td> </tr> <tr> <td>TMA:</td> <td style="text-align: right;">\$648.31</td> </tr> <tr> <td>Net Amount:</td> <td style="text-align: right;">\$6,084.81</td> </tr> </table>	Before Discount:	\$15,686.00	Discount Amount:	\$8,952.88	TMA:	\$648.31	Net Amount:	\$6,084.81
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<p>Comments</p>		<p style="font-size: x-small;">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.</p> <p style="font-size: x-large; text-align: center;">X</p>																							

General Terms and Conditions

Under these terms and conditions ("T&Cs") 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 each other 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

Client Name PDC Energy, Inc.	Well Name Spaur 10 - 2	Rig BWS 3	Job Date December 31, 2015	Call Sheet 1063535
Client Representative Mr. Ryan Beam	Surface Well Location SE NW Sec 10:T4N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor

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	50.000	300.000	450.000	--	--

Casing									
Size	Weight	Grade	Collapse Pressure	Internal Yield Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(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	1.55	4.000	5.000	450.0	550.0

Tubing									
Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To	
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)	
2.375	4.700	J-55	8,100.000	2.130	1.995	2.910	0.000	550.000	

Products

Plug 1	
From Depth (ft):	0
To Depth (ft):	550
Plug Type :	Abandonment
Acids/Blends/Fluids :	
Plug: 215 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 44 (bbl)	
Water Temperature(°F) = 53 , Bulk Temperature(°F) = 18 , Slurry Temperature(°F) = 54	

Fluid & Cement Data

Expected Cement Top:	Surface				
Wellbore Fluid					
<u>Fluid Type</u>	<u>Viscosity (cP)</u>	<u>Density (lbs/gal)</u>	<u>Yield Point (psi)</u>	<u>Temperature (°F)</u>	<u>Recorded@</u>
Water	--	--	--	--	Dec 01, 2015 16:01

Units & Personnel

Units							
<u>Truck Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Tractor Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Time On Location</u>	<u>Time Off Location</u>
449086	TRAILER	Utility Trailer	201168	PICKUP	1 Ton	12/31/2015 12:00	12/31/2015 16:00
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	12/31/2015 12:00	12/31/2015 16:00
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	12/31/2015 12:00	12/31/2015 16:00

Crew and Bonuses				
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Schneider, Patrick (24093)	12/31/2015 12:00	12/31/2015 16:00		
Cheal, Samuel (28315)	12/31/2015 12:00	12/31/2015 16:00		
Trujillo, Dino (29839)	12/31/2015 12:00	12/31/2015 16:00		

Treatment Reports & Remarks

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 31,2015 12:00	Arrive On Location		--	--	--	--	0.00
2	Dec 31,2015 12:05	Crew Briefing (Rig in) Remarks: discussed lease hazards and rig in procedures		--	--	--	--	0.00
3	Dec 31,2015 12:30	Rig In		--	--	--	--	0.00
4	Dec 31,2015 12:45	Rig in Complete		--	--	--	--	0.00
5	Dec 31,2015 12:45	Wait On Instructions Remarks: waited for rig to run tubing and condition the hole		--	--	--	--	0.00
6	Dec 31,2015 13:45	Crew Briefing (Pre Job) Remarks: discussed job scope and everyones dutys		--	--	--	--	0.00
7	Dec 31,2015 14:22	Start - Fluid Remarks: filled lines	Water	1.00	--	--	1.00	1.00
8	Dec 31,2015 14:23	Pressure Test Start	Water	--	2,000.0	--	--	1.00
9	Dec 31,2015 14:25	Pressure Test Complete Remarks: good pressure test	Water	--	0.0	--	--	1.00
10	Dec 31,2015 14:25	Pump Preflush Remarks: fresh water	Water	2.50	150.0	--	10.00	11.00
11	Dec 31,2015 14:30	Mix Cement Remarks: 185 sks plug cement @ 15.8 ppg yield = 1.15 h2o req = 4.98	0-1-0 G	2.50	200.0	--	38.00	49.00
12	Dec 31,2015 14:45	Wait On Instructions Remarks: waited for rig to pull 15 joints tubing		--	0.0	--	--	49.00
13	Dec 31,2015 15:06	Mix Cement Remarks: 30 sks plug cement @ 15.8 ppg yield = 1.15 h2o req = 4.98	0-1-0 G	1.50	100.0	--	6.00	55.00
14	Dec 31,2015 15:11	Displace Fluid Remarks: displaced to balance	Water	1.50	100.0	--	0.75	55.75
15	Dec 31,2015 15:12	Balance Plug	Water	--	0.0	--	--	55.75
16	Dec 31,2015 15:15	Tailgate Meeting Remarks: revisited JSA		--	--	--	--	55.75
17	Dec 31,2015 15:20	Rig Out		--	--	--	--	55.75
18	Dec 31,2015 15:25	Wash Remarks: washed pumps and lines	Water	--	--	--	--	55.75
19	Dec 31,2015 15:45	Job Complete		--	--	--	--	55.75
20	Dec 31,2015 15:50	Pre-Departure Meeting		--	--	--	--	55.75
21	Dec 31,2015 16:00	Leave Location		--	--	--	--	55.75

Did Float Hold: Not Applicable
 Fluid Returns : Yes
 Type : Cement
 Volume (bbl) : 8
 Temperature (°F) : 55
 FDAS Functioning Correctly : Yes
 Was the Program Followed As Per Design? : Yes

Treatment Reports & Remarks

Material Transfer Sheet Number

Material Transfer Sheet Number

63185

63186

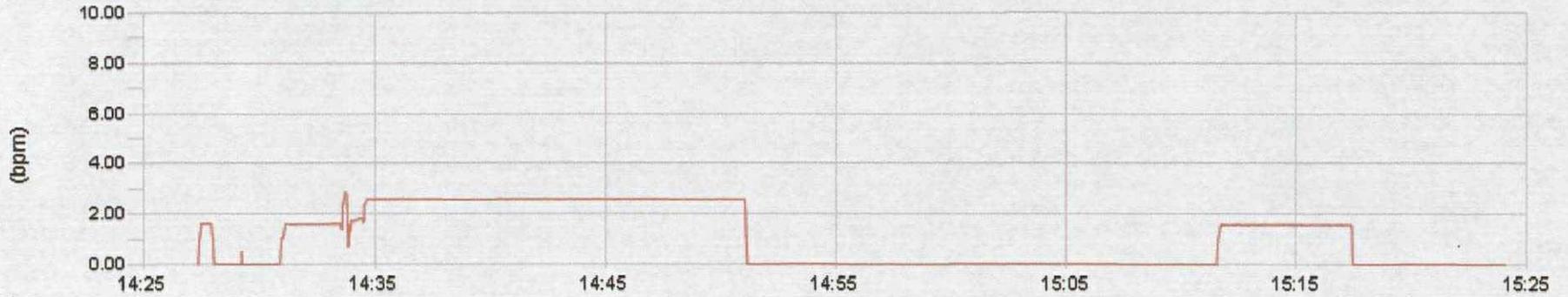


Client PDC Energy
Ticket No. 9209042
Location SE NW Sec. 10-T4N-R67W
Comments 300 sks 0:1:0 'G' @ 15.8 ppg

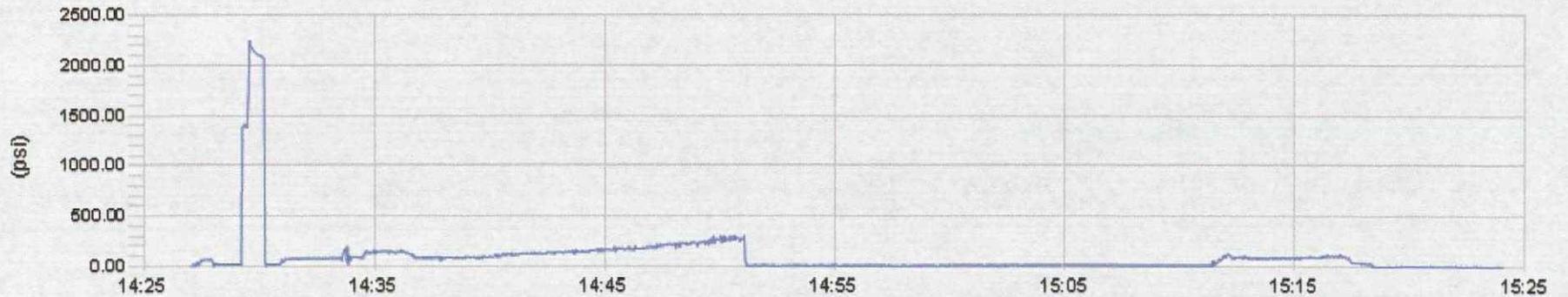
Client Rep Mr. Ryan Beam
Well Name Spaur 10-2
Job Type Abandonment Plugs

Supervisor Pat Schneider
Unit No. 445047, 445020
Service District Ft. Lupton
Job Date 12/31/2015

Unit 445047 Rate Total



Unit 445047 Pump Pressure



Unit 445047 Density





General Information	
Client: PDC Energy	Date: 12/31/2015
Location (LSD): SE NW 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 A cement plug pumped
Task (a statement of the overall goal): We will be pumping A cement plug 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 2,000 psi, pump 10 bbl water, pump 61.5 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
Sam	Operate SCM during cementing process
Dino	Operate Bulk Truck during cementing process

Assistance (Who will help): Rig crew--They will operate their own equipment
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Communication (Explain how, when, and to who): Radios/Hand signals

Safety - Emergency Response Planning

Air Ambulance Rescue#: 911	Other Emergency #: 911
Evacuation Route(s): Up wind & Across wind to lease entrance	
Muster Point: Lease Entrance	
STOP Work Signal: CROSS YOUR ARMS ABOVE YOUR HEAD—YELL STOP!!!	

Emergency Support/Information (Showers, Man Down, Fire, First Aid, H₂S, Medic, etc)

Nearest medical facility is Greeley, Company man will make 911 call, use Sanjel pickup for emergency vehicle, all Sanjel units have 1st aid, eyewash, and fire extinguishers

Job Safety Analysis (JSA) - Use the Sanjel Hazard & Controls Guide (Form: S021)

Basic Jobs/Task Steps (In order of job/task to be done)	Potential Hazards (What could go wrong?)	Hazard Controls (How do we ensure no one gets hurt?)
Spot Trucks	Overhead wires, Backing, Night driving, Third party equipment	Get out and walk around, use ground guide, vest, & cones
Rig In	Swinging hammers, Uneven ground, hammer wings & pinch points	Call out swings, stay out of "line of fire", watch hand & foot placement
Pressure Test	Overpressure pumps & lines	Set trips properly, good communication, stay away from pumps & lines
Pump Job	Product contact, Possible H₂S, Climbing stairs	Wear PPE, Get cement washed off, Wear gas monitors, use 3 points of contact
Rig Out	Overhead loads, Heavy lifting	Obey buffer zone, use team lifts, revisit JSA
Leave Location	Tight location, Rig workers & equipment	use ground guides, vest, & cones

Questions, Confirmations, Collaboration

Is a signature page required? Yes No (Attach if required)