



KANSAS CORPORATION COMMISSION 1106356
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 7064
Name: Dorzweiler, Leo R. dba Cattlemans Oil Operations
Address 1: 2260 CATHERINE RD
Address 2: _____
City: HAYS State: KS Zip: 67601 + 4610
Contact Person: Leo Dorzweiler
Phone: (785) 625-5394
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Matt Dreiling
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>11/07/2012</u>	<u>11/11/2012</u>	<u>11/12/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26333-00-00
Spot Description: _____
 NW SE SW Sec. 14 Twp. 11 S. R. 17 East West
890 Feet from North / South Line of Section
1650 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellis
Lease Name: Dorzweiler D Well #: 2
Field Name: Bemimis-Shutts
Producing Formation: Arbuckle
Elevation: Ground: 1841 Kelly Bushing: 1853
Total Depth: 3475 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 262 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1461 Feet
If Alternate II completion, cement circulated from: 1461
feet depth to: 0 w/ 210 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 23000 ppm Fluid volume: 240 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite: _____
Operator Name: Cattlemans Oil Operations
Lease Name: Mai License #: 7064
Quarter SE Sec. 14 Twp. 11 S. R. 17 East West
County: Ellis Permit #: 15-051-03679

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 01/23/2013

1106356

Operator Name: Dorzweiler, Leo R. dba Cattlemans Oil Operations Lease Name: Dorzweiler D Well #: 2
 Sec. 14 Twp. 11 S. R. 17 East West County: Ellis

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Topeka	2777	-923
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3013	-1159
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Toronto	3039	-1185
List All E. Logs Run:		Lansing	3058	-1209
Radiation gaurd log micro log		BKC	3294	-1440
		Arbuckle	3368	-1514
		RTD 3475		

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Pipe	12.25	8.625	23	262.73	Common	175	2%gel&3%CC
Production String	7.875	5.5	14	3461	Common	190	10% Salt
Port Collar	7.875	5.5	0	1461	QMC	210	1/4 FLO S

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
3	3361-76		

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>3390</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>01/10/2013</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>15</u>	Gas Mcf	Water Bbls. <u>100</u>	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6203

Date	11-14-12	Sec.	14	Twp.	11	Range	17	County	Ellis	State	KS	On Location		Finish	11:30 a.m.
Location								Walt River Road 1/2 S E into							
Lease	Dorzweller			Well No.	2			Owner							
Contractor	G.O. Toaks			To Quality Oilwell Cementing, Inc.											
Type Job	Port Collar			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Hole Size	7 7/8			T.D.	Charge To										
Csg.	5 1/2			Depth	Cattlemans Oil										
Tbg. Size	2 7/8			Depth	Street										
Tool	Port Collar			Depth	1461			City State							
Cement Left In Csg.				Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line				Displace	334			Cement Amount Ordered 225 @ 210 @ 14 @ 210							
EQUIPMENT				USED 210 SK											
Pumptrk	9	No.	Cement Helper	Common 210											
Bulktrk		No.	Driver	Poz. Mix											
Bulktrk	12	No.	Driver	Gel.											
JOB SERVICES & REMARKS				Calcium											
Remarks:	Hulls														
Rat Hole	Salt														
Mouse Hole	Flowseal 50#														
Centralizers	Kol-Seal														
Baskets	Mud CLR 48														
D/V or Port Collar	CFL-117 or CD110 CAF 38														
Test 5 1/2 to 1000# Open Tool + By Circulation Mix 210 SK Cement Circulation. Displace 210 Close Tool Pressure to 800# Release Pressure Run 5 joints + Wash Clean.				Sand											
				Handling 225											
				Mileage											
				FLOAT EQUIPMENT											
				Guide Shoe											
				Centralizer											
				Baskets											
				AFU Inserts											
				Float Shoe											
				Latch Down											
				Pumptrk Charge port collar											
				Mileage 19											
				Tax											
				Discount											
				Total Charge											
X Signature															

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6174

Date	11-12-12	Sec.	14	Twp.	11	Range	17	County	ELLIS	State	KANSAS	On Location		Finish	7:15 AM				
Lease								Location		VICTORIA RD TO CATHERINE RD - W TO CANNON RD - N TO RR. E/END									
Lease		DORRUMBER "D"		Well No.		#2		Owner								CATTLEMAN'S OIL			
Contractor		D.D #4		To Quality Oilwell Cementing, Inc.								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job		Prod. String		Hole Size		7 7/8"		T.D.		3,475'		Charge To		CATTLEMAN'S OIL					
Csg.		5 1/2"		Depth		3,469'		Street		2260 CATHERINE RD.									
Tbg. Size				Depth				City		Hays		State KS, 67101							
Tool		Port Collar		Depth		1392		This above was done to satisfaction and supervision of owner agent or contractor.											
Cement Left in Csg.				Shoe Joint		34 3/4"		Cement Amount Ordered		235 com - 10% SALT									
Meas Line				Displace		84 Bbls													
EQUIPMENT								Common								235			
Pumptrk #15		No. Cementer.		Helper		NICK L.		Poz. Mix											
Bulktrk #17		No. Driver		Driver		LANNAN L.		Gel.											
Bulktrk P/U		No. Driver		Driver		CANNON L.		Calcium											
JOB SERVICES & REMARKS								Hulls											
Remarks:								Salt								20			
Rat Hole								30 SKS		Flowseal									
Mouse Hole								15 SKS		Kol-Seal									
Centralizers								1, 2, 7, 10, 48		Mud CLR 48								500 gal.	
Baskets								2, 3, 49		CFL-117 or CD110 CAF 38									
D/V or Port Collar								#49		Sand									
DROPPED BALL - BROKE CIRCULATION								Handling								255			
CIRCULATED ON BOTTOM MIN - JUMPER								Mileage											
500 GAL MUD CLR 48 - PLUGGED RATHOLE 30								FLOAT EQUIPMENT											
SKS. PLUGGED MOUSEHOLE 15 SKS - MUD								Guide Shoe								1-5 1/2"			
PUMPED 190 SKS DOWN 5 1/2" - DROPPED								Centralizer								5-5 1/2" CENT.			
DROPPED PLUG & WASHED UP PUMP TRUCK								Baskets								3-5 1/2"			
MADE CONNECTION & DISPLACED PLUG -								AFU Inserts								1-5 1/2" w/PLUG			
LANDED & HELD								Float Shoe											
LIFT PRESSURE @ 1,000								Latch Down								1 port Collar			
PLUG LANDED @ 84 BBLs & 1,400 LBS.																			
Pumptrk Charge								prod Long String											
Mileage								23											
THANK YOU.																			
Signature								[Signature]											
								Tax											
								Discount											
								Total Charge											

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6147

Date	11-7-12	Sec.	14	Twp.	11	Range	17	County	Ellis	State	KS	On Location		Finish	9:30pm
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Location *Cadell & River Road 1/2 S E100*

Lease	<i>Dorzweiler</i>	Well No.	<i>2</i>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	<i>D.S. Gove/114</i>			Charge To	<i>Crestlemons Oil</i>
Type Job	<i>Surface</i>			Street	
Hole Size	<i>12 1/4</i>	T.D.	<i>262</i>	City	
Csg.	<i>8 5/8</i>	Depth	<i>262</i>	State	
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	<i>175 com-30/100 70/100</i>
Cement Left in Csg.	<i>15'</i>	Shoe Joint	<i>15' 2 3/4</i>		

Meas Line	Displace		
EQUIPMENT		Common	<i>175</i>
Pumptrk	9 No. Cementer <i>Chris</i>	Poz. Mix	
	Helper <i>Carl</i>	Gel.	<i>3</i>
Bulktrk	No. Driver <i>Carl</i>	Calcium	<i>6</i>
Bulktrk	1 No. Driver <i>Doug</i>		

JOB SERVICES & REMARKS		Hulls	
Remarks:		Salt	
Rat Hole		Flowseal	
Mouse Hole		Kol-Seal	
Centralizers		Mud CLR 48	
Baskets		CFL-117 or CD110 CAF 38	
D/V or Port Collar		Sand	
<i>8 5/8 on bottom Est. Circulation.</i>		Handling	<i>184</i>
<i>Mix 125 csk + Displace.</i>		Mileage	

<i>Cement Circulated</i>		FLOAT EQUIPMENT	
		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	

Pumptrk Charge	<i>Surface</i>	Tax	
Mileage	<i>23</i>	Discount	
Signature	<i>[Signature]</i>	Total Charge	



Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

DRILLER'S LOG

Operator: Cattlemans Oil Operations Lic# 7064 Contractor: Discovery Drilling Co., Inc. LIC#31548
2260 Catherine Road PO Box 763
Hays, KS 67601 Hays, KS 67601

Lease: Dorzweiler "D" # 2 Location: 890 FSL / 1650 FWL
NW/SE/SW
Section 14/ 11S/ 17W
Ellis County

Loggers Total Depth: 3476' API#15- 051-26.333-00-00
Rotary Total Depth: 3475' Elevation: 1845 GL / 1853 KB
Commenced: 11/7/2012 Completed: 11/12/2012
Casing: 8 5/8" @ 262 73'W/175sks Status: Oilwell
5 1/2" @ 3461'W/190sks
(Port Collar @ 1392')

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>1105'</u>
Dakota Sand	<u>498'</u>	Shale & Lime	<u>1615'</u>
Shale	<u>538'</u>	Shale	<u>2132'</u>
Cedar Hill Sand	<u>608'</u>	Shale & Lime	<u>2582'</u>
Red Bed Shale	<u>819'</u>	Lime & Shale	<u>3066'</u>
Anhydrite	<u>1073'</u>	RTD	<u>3475'</u>
Base Anhydrite	<u>1105'</u>		

STATE OF KANSAS)
) ss
COUNTY OF ELLIS)

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

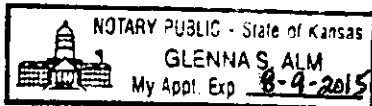

Thomas H. Alm

Subscribed and sworn to before me on 11-14-12

My Commission expires: 8-9-2015

(Place stamp or seal below)


Notary Public



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

none 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6203

Date	11-14-12	Sec.	14	Twp.	11	Range	17	County	Ellis	State	KS	On Location		Finish	11:30 A.M.
Lease								Location		Chal & River Road 1/2 S E into					
Well No. 2								Owner							
Contractor								To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job								Charge To							
Hole Size								Cattlemans Oil							
Csg.								Street							
Tbg. Size								City							
Tool								State							
Cement Left in Csg.								The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line								Cement Amount Ordered							
Displace								225 Qms C 14 #10							
EQUIPMENT								USED 210 SK							
Pumptrk								Common							
Bulktrk								Poz. Mix							
Bulktrk								Gel.							
JOB SERVICES & REMARKS								Calcium							
Remarks:								Hulls							
Rat Hole								Salt							
Mouse Hole								Flowseal 50#							
Centralizers								Kol-Seal							
Baskets								Mud CLR 48							
D/V or Port Collar								CFL-117 or CD110 CAF 38							
Test 5/2 to 1000' Open Tool r								Sand							
By Circulation Mix 210SK Cement								Handling 225							
Circulation. Displace 72L Case								Mileage							
Tool Pressure to 800'. Release								FLOAT EQUIPMENT							
Pressure Run 5 joints & Wash								Guide Shoe							
Clean.								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Mileage 19							
								Tax							
								Discount							
								Total Charge							
Signature															

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6174

Date	11-12-12	Sec.	14	Twp.	11	Range	17	County	ELLIS	State	KANSAS	On Location		Finish	7:15 AM
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Location VICTORIA R. TO CATHERINE R. - W. TO CONNOR R. - N. TO R.R. E. / EAST

Lease	<u>DOSEWATER "D"</u>	Well No.	<u>#2</u>	Owner	<u>CATTLEMANS OIL</u>
Contractor	<u>D.D #4</u>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	<u>Prod. string</u>				
Hole Size	<u>7 7/8"</u>	T.D.	<u>3,475'</u>	Charge To	<u>CATTLEMANS OIL</u>
Csg.	<u>5 1/2"</u>	Depth	<u>3,419'</u>	Street	<u>2260 CATHERINE R.</u>
Tbg. Size		Depth		City	<u>Hays</u> State <u>KS 67601</u>
Tool	<u>Port Collar</u>	Depth	<u>1392</u>	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.		Shoe Joint	<u>34 3/2"</u>	Cement Amount Ordered <u>235 com - 10% SALT</u>	
Meas Line		Displace	<u>84 Bbls</u>		

EQUIPMENT

Pumptrk #15	No. Cementer	Helper	<u>NICK W.</u>	Common	<u>235</u>
Bulktrk #19	No. Driver	Driver	<u>LOU W.</u>	Poz. Mix	
Bulktrk #14	No. Driver	Driver	<u>C. COV.</u>	Gel.	
				Calcium	

JOB SERVICES & REMARKS

Remarks:	Salt	<u>20</u>
Rat Hole	Flowseal	
Mouse Hole	Kol-Seal	
Centralizers	Mud CLR 48	<u>500 gal.</u>
Baskets	CFL-117 or CD110 CAF 38	
D/V or Port Collar	Sand	
<u>DROPPED BALL - BROKE CIRCULATION</u>	Handling	<u>255</u>
<u>CIRCULATED ON BOTTOM MIN - JUMPED</u>	Mileage	
<u>500 GAL. MUD CLR 48 - PLUGGED RAT HOLE 30</u>	FLOAT EQUIPMENT	
<u>SKS - PLUGGED MOUSE HOLE 15 SKS - MOVED</u>	Guide Shoe	<u>1-5 1/2"</u>
<u>PLUGGED 190 SKS DOWN 5 1/2" - DROPPED</u>	Centralizer	<u>5-5 1/2" CENT.</u>
<u>DROPPED PLUG & WASHED UP PUMP TANK</u>	Baskets	<u>3-5 1/2"</u>
<u>MADE CONNECTION & DISPLACED PLUG -</u>	AFU Inserts	<u>1-5 1/2" w/PLUG</u>
<u>LANDED & HELD</u>	Float Shoe	
<u>LIFT PRESSURE @ 1,000</u>	Latch Down	<u>1 part Collar</u>
<u>PLUG LANDED @ 84 Bbls & 1,400 LB.</u>		

THANK YOU.

Pumptrk Charge	<u>prod long string</u>
Mileage	<u>23</u>

x Signature [Signature]

Tax	
Discount	
Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6147

Date	11-7-12	Sec.	14	Twp.	11	Range	17	County	Ellis	State	KS	On Location		Finish	9:30 AM
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Location Cadell & River Road 1/2 S First

Lease	<u>Dorzweiler</u>	Well No	<u>2</u>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	<u>D.S. Geyer #14</u>				
Type Job	<u>Surface</u>				
Hole Size	<u>12 1/4</u>	T.D.	<u>242</u>	Charge To	<u>Castleman's Oil</u>
Csg.	<u>8 5/8</u>	Depth	<u>262</u>	Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	<u>15'</u>	Shoe Joint	<u>15 1/2 B.C.</u>	Cement Amount Ordered	<u>175 com-30 lb cell 7 1/2 lb cell</u>

Meas Line		Displace			
EQUIPMENT					
Pumptrk	<u>9</u>	No.		Common	<u>175</u>
		Cementer	<u>Chris</u>	Poz. Mix	
		Helper	<u>Scott</u>	Gel.	<u>3</u>
Bulktrk		No.		Calcium	<u>6</u>
		Driver			
Bulktrk	<u>1</u>	No.			
		Driver	<u>Doug</u>		

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
<u>8 5/8 on bottom. Est. Circulation.</u>		Handling	<u>184</u>
<u>Mix 125 gal + 12 1/2 gal.</u>		Mileage	

FLOAT EQUIPMENT

<u>Cement Circulated</u>		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	

Pumptrk Charge	<u>Surface</u>	Tax	
Mileage	<u>23</u>	Discount	
		Total Charge	

X Signature [Signature]