

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1244815
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- 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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

| | | |
|-----------------------------------|-----------------|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1244815



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| | |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|--|---|

| CASING RECORD <input 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|--|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | | | | |
| | | | | |

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

| 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 |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | | |
|----------------|-------|---------|------------|---|
| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No |
|----------------|-------|---------|------------|---|

| | |
|---|--|
| Date of First, Resumed Production, SWD or ENHR. | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |
|---|--|

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | 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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|--|---|

| | |
|-----------|--------------------------|
| Form | ACO1 - Well Completion |
| Operator | Mai Oil Operations, Inc. |
| Well Name | B & R Dechant 3 |
| Doc ID | 1244815 |

Tops

| Name | Top | Datum |
|------------------|------|-------|
| Anhydrite | 1426 | +772 |
| Heebner | 3680 | -1482 |
| Toronto | 3692 | -1494 |
| Lansing | 3728 | -1530 |
| Base Kansas City | 3988 | -1790 |
| Marmaton | 4106 | -1908 |
| Pawnee | 4179 | -1981 |
| Fort Scott | 4249 | -2051 |
| Mississippi | 4346 | -2148 |

JAMES C. MUSGROVE

Petroleum Geologist, LLC
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations
B&R Dechant #3
S/2-SE-NE-NE (1065' FNL & 330' FEL)
Section 19-20s-22w
Ness County, Kansas

Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (rig #2)
Commenced: December 9, 2014
Completed: December 16, 2014
Elevation: 2198' K.B., 2196' D.F., 2189' G.L.
Casing program: Surface; 8 5/8" @ 265'
Production, 5 1/2" @ 4408'
Sample: Samples saved and examined 3600' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 3600' to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were one (1) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Nabors, Dual Induction, Compensated Density/Neutron Log and Micro Log.

| <u>Formation</u> | <u>Log Depth</u> | <u>Sub-Sea Datum</u> |
|---------------------|------------------|----------------------|
| Anhydrite | 1426 | +772 |
| Base Anhydrite | 1460 | +738 |
| Heebner | 3680 | -1482 |
| Toronto | 3692 | -1494 |
| Lansing | 3728 | -1530 |
| Base Kansas City | 3988 | -1790 |
| Marmaton | 4106 | -1908 |
| Pawnee | 4179 | -1981 |
| Fort Scott | 4249 | -2051 |
| Cherokee Shale | 4272 | -2074 |
| Mississippian Osage | 4346 | -2148 |
| Rotary Total Depth | 4409 | -2211 |
| Log Total Depth | 4412 | -2214 |

All tops and zones corrected to Electric Log Measurement

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TORONTO AND LANSING/KANSAS CITY SECTIONS

3692-3704'
3428-4054' There were several zones of well-developed porosity encountered in drilling the Toronto and Lansing/Kansas City Sections, but no shows of oil and/or gas was noted (see attached Sample Log/Geologist report).

MARMATON SECTION

4106-4126' Limestone, tan, gray, finely crystalline, poor visible porosity, few fossiliferous, no shows.
4130-4152' Limestone, gray, cream, finely crystalline, poor visible porosity, dense.
4160-4177' Limestone, gray, tan, finely crystalline, cherty in part, poor visible porosity, dense.

PAWNEE SECTION

4180-4200' Limestone, tan, gray, finely crystalline, slightly sucrosic, poor visible porosity, dense.
4200-4220' Limestone, as above, cherty in part.
4220-4244' Limestone, tan, buff, finely crystalline poor visible porosity, few fossiliferous, cherty in part.

FORT SCOTT SECTION

4260-4267' Limestone, tan, gray, finely crystalline, oolitic, few fossiliferous, poor pinpoint to inter-crystalline type porosity, brown stain, trace of free oil and faint odor in fresh samples.

CHEROKEE SECTION

4279-4295' Limestone, cream, gray, finely crystalline, few fossiliferous, poor visible porosity, cherty in part plus gray/white opaque chert.
4303-4310' Limestone, cream, tan, gray, finely crystalline, slightly oolitic, poor porosity, chalky in part.
4317-4322' Limestone, cream, white, chalky; no shows.
4340-4345' Sand, white, fine grained; well sorted, sub-rounded, no shows.

MISSISSIPPIAN "OSAGE" SECTION

4346-4350' Chert, white, cream, boney, semi tripolitic, fair vuggy type porosity, golden brown stain, good show of free oil and good odor in fresh samples.

Drill Stem Test #1

4279-4350

Times: 30-45-30-60

Blow: Strong

**Recovery: 567' muddy gassy oil
(10% gas; 80% oil; 10% mud)
252' heavily oil and gas cut mud
(10% gas; 40% oil; 50% mud)
693' gassy muddy oil
(10% gas; 80% oil; 10% mud)
315' gassy oil
126' oil cut mud
(10% oil; 90% mud)**

**Pressures: ISIP 1338 psi
FSIP 1338 psi
IFP 142-492 psi
FFP 504-754 psi
HSH 2128-2076 psi**

- 4350-4360' Chert, shite/gray, scattered vuggy porosity, brown stain, trace of free oil and fair odor in fresh samples.
- 4360-4380' Chert; as above.
- 4380-4400' Chert, white, gray, cream, poor vuggy type porosity, trace dark brown stain, no free oil and faint odor in fresh samples.
- 4400-4409' Chert, white, gray, opaque, poor porosity, trace dark brown stain, no free oil and very faint odor in fresh samples.

**Rotary Total Depth 4409
Log Total Depth 4412**

Recommendations:

The 5 1/2" production casing was set and cemented on Mai Oil Operation Inc., B&R Dechant #3.

Respectfully yours,



Kurt Talbott
Petroleum Geologist



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

19-20s-22w Ness,KS

8411 Preston RD STE 800
Dallas TX 75225-5520

B&R Dechant #3

Job Ticket: 58513

DST#: 1

ATTN: Kurt Talbot

Test Start: 2014.12.15 @ 03:30:00

GENERAL INFORMATION:

Formation: **Miss 'Osage'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:15:45

Time Test Ended: 17:44:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

Interval: 4279.00 ft (KB) To 4350.00 ft (KB) (TVD)

Reference Elevations: 2198.00 ft (KB)

Total Depth: 4351.00 ft (KB) (TVD)

2189.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 9.00 ft

Serial #: 8675

Inside

Press@RunDepth: 753.94 psig @ 4301.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.15

End Date:

2014.12.15

Last Calib.: 2014.12.15

Start Time: 03:30:15

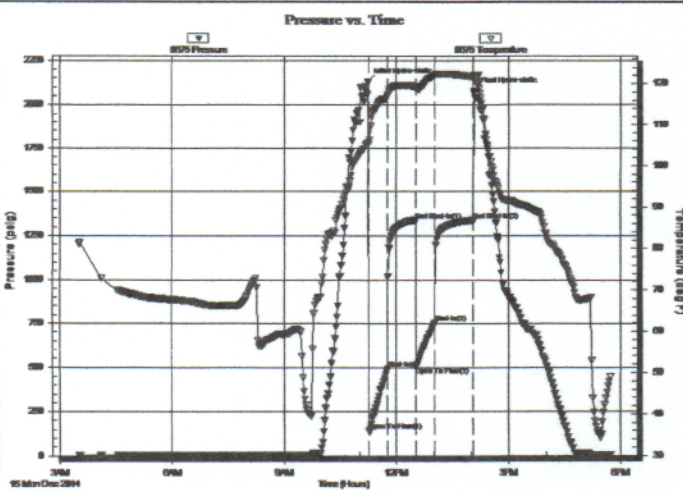
End Time:

17:44:15

Time On Btm: 2014.12.15 @ 11:14:45

Time Off Btm: 2014.12.15 @ 14:04:15

TEST COMMENT: B.O.B. in 1 3/4 min.
Bled off for 5 min, Wdeak blow back died in 40 min
B.O.B. in 2 min
Bled off for 5 min, No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2128.22 | 105.72 | Initial Hydro-static |
| 1 | 142.36 | 105.14 | Open To Flow (1) |
| 32 | 491.82 | 117.17 | Shut-In(1) |
| 77 | 1337.97 | 119.29 | End Shut-In(1) |
| 77 | 504.48 | 118.91 | Open To Flow (2) |
| 107 | 753.94 | 122.00 | Shut-In(2) |
| 168 | 1338.13 | 121.63 | End Shut-In(2) |
| 170 | 2075.62 | 121.94 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 126.00 | ocm 10%O 90%O | 1.77 |
| 315.00 | gco 15%G 85%O | 4.42 |
| 693.00 | gcmo 10%G 10%M 80%O | 9.72 |
| 252.00 | gcom 10%G 40%O 50%M | 3.53 |
| 567.00 | mcgo 10%M 10%G 80%O | 7.95 |

Gas Rates

| | Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |

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. 8818

| | | | | | | | | | | | | | | | |
|-----------------------------------|----------------------|------|----|------------|---|-------|----|--|---------------------------------|-------|----|--------------|--|--------|---------|
| Date | 12-9-14 | Sec. | 19 | Twp. | 20 | Range | 22 | County | MISS | State | KS | On Location | | Finish | 11:00pm |
| Location | | | | | | | | Barline 3w to APRD 95 to 40 Rd 2w to Rd 1 1/2 Sw into | | | | | | | |
| Lease | B & R Dechant | | | Well No. | 3 | | | Owner | | | | | | | |
| Contractor | Southwind | | | 2 | To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed. | | | | | | | | | | |
| Type Job | | | | | | | | | | | | | | | |
| Hole Size | 12 1/4 | | | T.D. | 266 | | | Charge To | Ma. Oil | | | | | | |
| Csg. | 8 5/8 | | | Depth | 266 | | | 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. | 15 | | | Shoe Joint | 15 | | | Cement Amount Ordered | 170 sl 6 9/16 3 7/16 2 7/16 gel | | | | | | |
| Meas Line | | | | Displace | 15 3/4 | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | | | | |
| Pumptrk | 16 | No. | | Cementer | Rick | | | Common | 102 | | | | | | |
| | | | | Helper | | | | Poz. Mix | 68 | | | | | | |
| Bulktrk | 3 | No. | | Driver | Dana | | | Gel. | 3 | | | | | | |
| | | | | Driver | | | | Calcium | 10 | | | | | | |
| Bulktrk | PU | No. | | Driver | Billy | | | | | | | | | | |
| JOB SERVICES & REMARKS | | | | | | | | | | | | | | | |
| Remarks: | Cement did circulate | | | | | | | | | | | | | | |
| Rat Hole | | | | | | | | | | | | | | | |
| Mouse Hole | | | | | | | | | | | | | | | |
| Centralizers | | | | | | | | | | | | | | | |
| Baskets | | | | | | | | | | | | | | | |
| D/V or Port Collar | | | | | | | | | | | | | | | |
| | Handling 193 | | | | | | | | | | | | | | |
| | Mileage | | | | | | | | | | | | | | |
| FLOAT EQUIPMENT | | | | | | | | | | | | | | | |
| | Guide Shoe | | | | | | | | | | | | | | |
| | Centralizer | | | | | | | | | | | | | | |
| | Baskets | | | | | | | | | | | | | | |
| | AFU Inserts | | | | | | | | | | | | | | |
| | Float Shoe | | | | | | | | | | | | | | |
| | Latch Down | | | | | | | | | | | | | | |
| | Pumptrk Charge | | | | | | | | | | | | | | |
| | Mileage 20 | | | | | | | | | | | | | | |
| | Tax | | | | | | | | | | | | | | |
| | Discount | | | | | | | | | | | | | | |
| X Signature | [Signature] | | | | | | | | | | | Total Charge | | | |

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 989

Cell 785-324-1041

| Date | Sec. | Twp. | Range | County | State | On Location | Finish |
|----------|------|------|-------|--------|-------|-------------|--------|
| 12-16-14 | 19 | 20 | 22 | NESS | KS | | 7:00pm |

Location *Bazine 3WARRD 9S to 40RD 2W 1723 WINTO*

| | | |
|-----------------------------------|-------------------------|--|
| Lease <i>BNR Dechan +</i> | Well No. <i>3</i> | Owner |
| Contractor <i>Southwind #2</i> | | 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 <i>Production String</i> | | |
| Hole Size <i>7 7/8</i> | T.D. <i>4412</i> | Charge To <i>ma o.i</i> |
| Csg. <i>5 1/2 14#</i> | Depth <i>4408</i> | Street |
| Tbg. Size | Depth | City State |
| Tool <i>Port Collar</i> | Depth <i>1423</i> | The above was done to satisfaction and supervision of owner agent or contractor. |
| Cement Left in Csg. <i>21.44</i> | Shoe Joint <i>21.44</i> | Cement Amount Ordered <i>175 60/40 10/Salt 2/ CFL</i> |
| Meas Line | Displace <i>107BC</i> | <i>1/4 #FO 1000gal mud CLEAR</i> |

EQUIPMENT

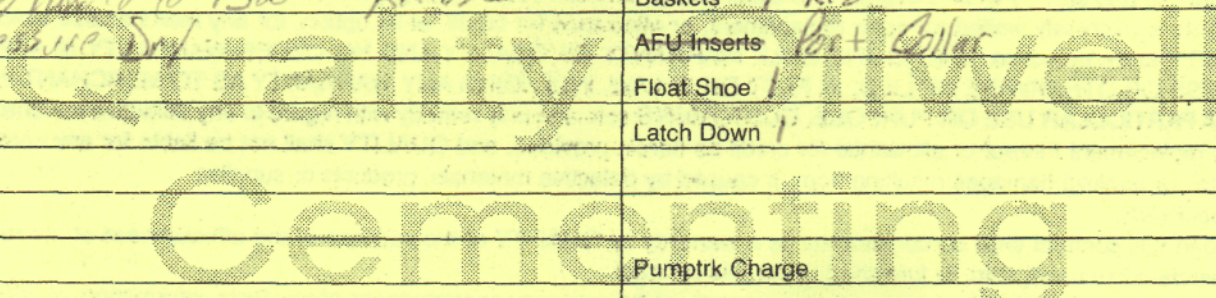
| | | |
|-----------------------|----------------------|----------|
| Pumptrk <i>20</i> No. | Cementer <i>Daig</i> | Common |
| | Helper <i>Wick</i> | Poz. Mix |
| Bulktrk No. | Driver <i>Wick</i> | Gel. |
| Bulktrk <i>15</i> No. | Driver <i>Wick</i> | Calcium |

JOB SERVICES & REMARKS

| | |
|--|-------------------------|
| Remarks: | Hulls |
| Rat Hole <i>30SK</i> | Salt |
| Mouse Hole <i>15SK</i> | Flowseal |
| Centralizers | Kol-Seal |
| Baskets | Mud CLR 48 |
| D/V or Port Collar | CFL-117 or CD110 CAF 38 |
| <i>5/2 on bot can 15' Circulation Pump</i> | Sand |
| <i>1000 gal mud CLEAR 107BC 5' each Cement</i> | Handling |
| <i>Rubberized mud seal Cement 5/2 with</i> | Mileage |
| <i>130SK - Clear lines & Displace Plug</i> | |

FLOAT EQUIPMENT

| | |
|-----------------------------------|--------------------------------|
| <i>Plug (air) @ 1500# Release</i> | Guide Shoe |
| <i>Pressure Seal</i> | Centralizer <i>5 Turbols</i> |
| | Baskets <i>1 Red</i> |
| | AFU Inserts <i>Port Collar</i> |
| | Float Shoe <i>1</i> |
| | Latch Down <i>1</i> |



| | | |
|--|----------------|--------------|
| | Pumptrk Charge | |
| | Mileage | |
| | | tax |
| | | Discount |
| | | Total Charge |

X Signature *[Handwritten Signature]*