

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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 Geologist Report / Mud Logs <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
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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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	DRISCOLL UNIT 1
Doc ID	1633619

Tops

Name	Top	Datum
Anhydrite	652	1159
Topeka	2579	-760
Heebner	2864	-1053
Toronto	2881	-1070
Douglas	2895	-1084
Brown lime	2954	-1143
Lansing	2970	-1159
BKC	3229	-1418
Conglomerate	3254	-1443
Arb	3275	-1464



**JAMES C. MUSGROVE**

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

Office (620) 588-4250

Res. Claflin (620) 786-0839

Mai Oil Operations, Inc.  
Driscoll Unit #1  
SW-NW-SW-SE (765' FSL & 2370' FEL)  
Section 30-15s-11w  
Russell County, Kansas

Page 1

**5 1/2" Production Casing Set**

**Contractor:** Southwind Drilling Co. (rig #1)  
**Commenced:** January 3, 2022  
**Completed:** January 10, 2022  
**Elevation:** 1811' K.B., 1809' D.F., 1801' G.L.  
**Casing program:** Surface; 8 5/8" @ 652'  
Production, 5 1/2" @ 3380'  
**Sample:** Samples saved and examined 2500' to the Rotary Total Depth.  
**Drilling time:** One (1) foot drilling time recorded and kept 2500' to the Rotary Total Depth.  
**Measurements:** All depths measured from the Kelly Bushing.  
**Drill Stem Tests:** None  
**Electric Log:** No open hole log; cased hole log ran by Eli; Gamma Ray Neutron Log.

<u>Formation</u>	<u>Cased Hole Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	652	+1159
Base Anhydrite	681	+1130
Howard	2540	-729
Topeka	2579	-760
Heebner	2864	-1053
Toronto	2881	-1070
Douglas	2895	-1084
Brown Lime	2954	-1143
Lansing	2970	-1159
Base Kansas City	3229	-1418
Conglomerate	3254	-1443
Arbuckle	3275	-1464
Rotary Total Depth	3385	-1574

(All tops and zone(s) corrected to Cased Hole Log Measurements)

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

**TOPEKA SECTION**

2806-2826' Limestone, white, gray, finely crystalline, sub-oomoldic, chalky, trace brown and golden brown stain, trace of free oil and faint odor.  
2832-2840' Limestone, as above, dark brown, black stain, show of free oil and faint odor in fresh samples.

**TORONTO SECTION**

2881-2890' Limestone, white, gray, finely crystalline, fossiliferous, trace black spotted stain, no show of free oil and questionable odor in fresh samples.

**LANSING SECTION**

2970-2980' Limestone, white and gray, finely crystalline, fossiliferous, sub-oomoldic, chalky, trace brown stain, weak show of free oil and no odor.

2998-3005' Limestone, white, gray, sub-oomoldic, oomoldic, chalky, poor visible porosity, no shows.

3014-3021' Limestone, tan, white, oolitic, chalky; dense, poor visible porosity, no shows.

3028-3034' Limestone, tan, oolitic, chalky, poor brown and light brown stain, trace of free oil and no odor.

3040-3047' Limestone, white, tan, oolitic, chalky, scattered porosity; questionable brown edge discoloration, no free oil and no odor, with chert, white, gray, boney

3054-3070' Limestone, white, gray, oomoldic, scattered oomoldic porosity, trace light brown stain, weak show of free oil and no odor.

3074-3088' Limestone, white, gray, oomoldic, good oomoldic porosity (barren)

3110-3120' Limestone, white, fossiliferous in part, chalky, no shows.

3126-3132' Limestone, white, cream, oolitic, chalky; trace of spotty brown stain, weak show of free oil and no odor in fresh samples.

3140-3156' Limestone, white, gray, oolitic, oomoldic, fair oomoldic porosity; fair stain, and saturation; show of free oil and faint odor.

3162-3172' Limestone, white, gray, chalky, poor porosity, no shows.

**DST #1**

**3108-3190**

**--Misrun\_\_ could not get to Bottom, Hit bridge @ 2420'**

3190-3200' Limestone, white, gray, oolitic, slightly chalky, scattered porosity; brown and golden brown stain, show of free oil and faint odor in fresh samples.

3214-3224' Limestone, white and gray, chalky increasingly cherty, (dense); no shows

**CONGLOMERATE SECTION**

3253-3275' Chert, gray, white, peach, orange, boney with quartz, clear sub-rounded, angular, loose unconsolidated; with few pieces chert, white, oolitic.

**ARBUCKLE SECTION**

3275-3280'	Dolomite, white, gray, finely crystalline, slightly cherty, chalky luster; no shows.
3280-3290'	Dolomite, white, gray, medium crystalline, fair inter-crystalline porosity, fair spotted brown stain, fair show of free oil and faint odor.
3290-3304'	Dolomite, white, cream, coarse crystalline, good inter-crystalline and vuggy type porosity, fair to good stain and saturation; fair to good show of free oil and fair odor.
3304-3314'	Dolomite; as above, decreasing shows.
3314-3330'	Dolomite, white, cream, medium and coarse crystalline, fair to good inter-crystalline porosity; trace brown stain, weak show of free oil and faint odor, few glauconitic.
3330-3350'	Dolomite, white, coarse crystalline, fair to good inter-crystalline porosity, fair golden brown stain, weak show of free oil and faint odor.
3350-3360'	Dolomite, tan, beige, highly sandy; glauconitic in part, poor visible porosity, no shows.
3360-3370'	Dolomite, as above, with large sub-angular quartz grain inclusions; no shows.
3370-3385'	Dolomite, as above, with quartz; clear frosted; angular and sub-rounded, no shows.

**Rotary Total Depth: 3385**

**Remarks:**

During the Drilling of the Driscoll Unit #1; it encountered an unusual flow of water; the viscosity and chlorides of the mud system could not be controlled. After running Dst #1 it was decided to drill the Driscoll Unit #1 to Rotary Total Depth.

**Recommendations:**

5 ½" production casing was set and cemented on the Mai Operations Oil Inc., Driscoll Unit #.  
Respectfully yours,

James C Musgrove  
Petroleum Geologist



**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone: 785-324-1041 fax: 785-483-1087  
 Email: cementing@ruraltel.net

**Date:** 1/4/2022  
**Invoice #** 2479

**P.O.#:**

**Due Date:** 2/3/2022

**Division:** Russell

# Invoice

**Contact:**  
 Mai Oil Operations  
**Address/Job Location:**

8411 Preston Rd. Ste 800  
 Dallas TX 75225-5520

**Reference:**  
 DRISCOLL UNIT 1 SEC 30-15-11

**Description of Work:**  
 LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 732.88	No				
Common-Class A	165	\$ 2,792.04	Yes				
POZ Mix-Standard	110	\$ 632.50	Yes				
Calcium Chloride	12	\$ 552.00	Yes				
Bulk Truck Matl-Material Service Charge	292	\$ 239.86	No				
Premium Gel (Bentonite)	5	\$ 119.11	Yes				
8 5/8" Top Rubber Plug	1	\$ 100.21	Yes				
Pump Truck Mileage-Job to Nearest Camp	27	\$ 99.80	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	27	\$ 77.63	No				

**Invoice Terms:**  
 Net 30

	<b>SubTotal:</b>	\$ 5,346.02
	<b>Discount Available</b> <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$ (133.65)
<hr/>		
	SubTotal for Taxable Items:	\$ 4,090.96
	SubTotal for Non-Taxable Items:	\$ 1,121.41
<hr/>		
	<b>Total:</b>	\$ 5,212.37
	<b>Tax:</b>	\$ 347.73
	<b>Amount Due:</b>	\$ 5,560.10
	<b>Applied Payments:</b>	
	<b>Balance Due:</b>	\$ 5,560.10

8.50% Russell County Sales Tax

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

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

No. 2479

Date	1/4/22	Sec.	30	Twp.	15	Range	11	County	Russell	State	Kansas	On Location		Finish	1:00pm
								Location Dabuke 1/2 W 1 N 1 1/2 E E110							

Lease	Driscoll Unit	Well No.	1	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	Southwind Drilling				
Type Job	Surface				
Hole Size	12 1/4	T.D.	656'	Charge To	Mai Oil Operations
Csg.	8 5/8	Depth	651-64	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.	20'	Shoe Joint	20	Cement Amount Ordered	275 6% 4%cc 2% gel
Meas Line		Displace	40		

EQUIPMENT					
Pumptrk	16	No.		Common	165
			Cementer Helper David	Poz. Mix	110
Bulktrk	9	No.		Gel.	5
			Driver Doug	Calcium	12
Bulktrk		No.			
			Driver		
			Driver		

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	
		Handling	292
		Mileage	
		FLOAT EQUIPMENT	
		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	
		1-Rubber plug	
		Pumptrk Charge	Long Surface
		Mileage	27
		Tax	
		Discount	
		Total Charge	

Cement Circ

Thanks!

Thanks

X Signature



**QUALITY OILWELL CEMENTING, INC.**

PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone:785-324-1041 fax:785-483-1087  
 Email: cementing@ruraltel.net

Date: 1/9/2022  
 Invoice # 2646

P.O.#:  
 Due Date: 2/8/2022  
 Division: Russell

# Invoice

Contact:  
 Mai Oil Operations  
 Address/Job Location:

8411 Preston Rd. Ste 800  
 Dallas TX 75225-5520

Reference:  
 DISCOLL UNIT 1 SEC 30-15-11

Description of Work:  
 PROD STRING

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 732.88	No	Pump Truck Mileage-Job to Nearest Camp	27	\$99.80	No
Cement Port Collar, 5 1/2"	1	\$ 2,135.71	Yes	Flo Seal	50	\$82.14	Yes
Common-Class A	110	\$ 1,861.36	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	27	\$77.63	No
Mud Clear	1000	\$ 1,199.29	Yes	Premium Gel (Bentonite)	3	\$71.46	Yes
5 1/2" Turbolizer	12	\$ 709.71	Yes				
POZ Mix-Standard	70	\$ 402.50	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 276.00	Yes				
5 1/2" Basket	1	\$ 230.00	Yes				
Latch Down Plug & Baffle, 5 1/2"	1	\$ 218.50	Yes				
Salt (Fine)	15	\$ 161.41	Yes				
Bulk Truck Matl-Material Service Charge	206	\$ 169.21	No				

**Invoice Terms:**

Net 30

	SubTotal:	\$ 8,427.61
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$ (210.69)
<hr/>		
	SubTotal for Taxable Items:	\$ 7,164.39
	SubTotal for Non-Taxable Items:	\$ 1,052.53
<hr/>		
	Total:	\$ 8,216.92
	Tax:	\$ 608.97
<hr/>		

8.50% Russell County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 8,825.89**  
**Applied Payments:**  
**Balance Due: \$ 8,825.89**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

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

No. 2646

Date	1-9-22	Sec.	20	Twp.	15	Range	11	County	Russell	State	Ks	On Location	11:15 PM
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Location Dubuque - 1/2 W, 1N, 1/4 E

Lease	<u>Driscoll unit</u>	Well No.	<u>1</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>Southwind #1</u>				
Type Job	<u>Longstring</u>				
Hole Size	<u>5 7/8"</u>	T.D.	<u>3385</u>	Charge To	<u>Mai oil operations</u>
Csg.	<u>5 1/2" used</u>	Depth	<u>3380.40'</u>	Street	
Tbg. Size		Depth		City	State
Tool	<u>Port Collar</u>	Depth	<u>1440.84'</u>	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	<u>40.15'</u>	Shoe Joint	<u>40.15'</u>	Cement Amount Ordered	<u>180 60/40 2% Gel 10% Sal</u>
Meas Line		Displace	<u>80 1/2 Bbl</u>	<u>1/4# Flt seal</u>	<u>1000 gal mud Clear 48</u>

**EQUIPMENT**

Pumptrk	<u>16</u>	No.		Cementor	<u>David</u>	Common	<u>110</u>
				Helper		Poz. Mix	<u>70</u>
Bulktrk	<u>9</u>	No.		Driver	<u>Doug</u>	Gel.	<u>3</u>
				Driver	<u>Rick</u>	Calcium	
Bulktrk	<u>p.u.</u>	No.		Driver			

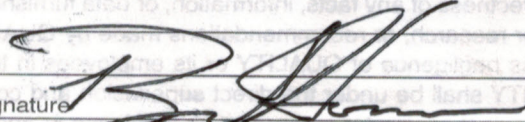
**JOB SERVICES & REMARKS**

Remarks:		Hulls	
Rat Hole	<u>305X</u>	Salt	<u>15</u>
Mouse Hole	<u>155X</u>	Flowseal	<u>50#</u>
Centralizers	<u>1-8, 10, 13, 18, 50</u>	Kol-Seal	
Baskets	<u>Bottom of # 52</u>	Mud CLR 48	<u>1000 gal</u>
D/V or (Port Collar)	<u>1440.84' Top # 52</u>	CFL-117 or CD110 CAF 38	
		Sand	
		Handling	<u>206</u>
		Mileage	

**FLOAT EQUIPMENT**

Pipe on Bottom Break Circulation		Guide Shoe	
pump 1000 gal mud Clear 48		Centralizer	<u>12 turbis</u>
plug Rathole + Mousehole. Hook		Baskets	<u>1</u>
to 5 1/2" Casing + mix 1355X		AFU Inserts	
Cement. Shut down wash pump		Float Shoe	<u>1</u>
+ lines Released plug + Displaced		Latch Down	<u>1</u>
w/80 1/2 Bbl H2O. Released + held.			
Lift pressure	<u>800 #</u>	Port Collar	

Land plug to	<u>1500#</u>	Pumptrk Charge	<u>prod string</u>
		Mileage	<u>27</u>

X Signature 

Thanks  
Tax  
Discount  
Total Charge