



Operator Name: POPP OPERATING, INC. Lease Name: PANNING Well #: 8  
 Sec. 11 Twp. 20 S. R. 11 W  East  West County: Barton

**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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i></p> <p>List All E. Logs Run:        Dual Induction, Neutron/Density Prosimy        Micro Log</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;"><input checked="" type="checkbox"/> Log</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;"><input type="checkbox"/> Sample</th> </tr> <tr> <td>Name</td> <td>Top Datum</td> <td></td> </tr> <tr> <td>Anhy</td> <td>490' +1270</td> <td></td> </tr> <tr> <td>Tariko</td> <td>2381' -621</td> <td></td> </tr> <tr> <td>Plattsmouth</td> <td>2781' -1022</td> <td></td> </tr> <tr> <td>Lansing</td> <td>3020' -1260</td> <td></td> </tr> <tr> <td>Base KC</td> <td>3253' -1493</td> <td></td> </tr> <tr> <td>Arb</td> <td>3271' -1511</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top Datum		Anhy	490' +1270		Tariko	2381' -621		Plattsmouth	2781' -1022		Lansing	3020' -1260		Base KC	3253' -1493		Arb	3271' -1511	
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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 1/4	8 5/8	23	505	E-Con/60/40	250	3%CC&1#FS/sk
Production St.	7 7/8	5 1/2	14	3366	Econobond	150	4%Gel&2%CC

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				

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
		Amount	Kind of Material	
4	3270-71'	250 gal 7 1/2% MCA	250 gal 15% MCA	

KANSAS CORPORATION COMMISSION

NOV 14 2003

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TUBING RECORD	Size 2-7/8"	Set At 3304'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 8-25-03		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. 45	Gas Mcf	Water Bbls. 327	Gas-Oil Ratio 38

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Sumit ACO-18.)*

**METHOD OF COMPLETION**

Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_



**ORIGINAL  
COPY**

**SALES OFFICE:**  
100 S. Main  
Suite #607  
Wichita KS 67202  
(316) 262-3699  
(316) 262-5799 FAX

**SALES & SERVICE OFFICE:**  
10244 NE Hiway 61  
P.O. Box 8613  
Pratt, KS 67124-8613  
(316) 672-1201  
(316) 672-5383 FAX

**ACIDIZING - FRACTURING - CEMENTING**

*Invoice API# 15-009-24763-00-00*

<b>Bill to:</b>		7080000	<b>Invoice</b>	<b>Invoice Date</b>	<b>Order</b>	<b>Order Date</b>
POPP OPERATING P.O. Box 187 Hoisington, KS 67544			308078	8/22/03	6781	8/16/03
<b>Service Description</b>						
Cement						
			<b>Lease</b>		<b>Well</b>	
			Panning		8	
<b>AFE</b>	<b>CustomerRep</b>	<b>Treater</b>	<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>	
	R. Popp	D. Scott	New Well		Net 30	

**RECEIVED**  
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KCC WICHITA

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D207	ECONOBOND (COMMON)	SK	125	\$12.37	\$1,546.25 (T)
D203	60/40 POZ (COMMON)	SK	25	\$7.84	\$196.00 (T)
C195	FLA-322	LB	107	\$7.50	\$802.50 (T)
F101	TURBOLIZER, 5 1/2"	EA	6	\$71.00	\$426.00 (T)
F191	GUIDE SHOE-REGULAR, 5 1/2"	EA	1	\$185.00	\$185.00 (T)
F231	FLAPPER TYPE INSERT FLOAT VALVES, 5 1/2"	EA	1	\$165.00	\$165.00 (T)
F143	TOP RUBBER CEMENT PLUG, 5 1/2"	EA	1	\$70.00	\$70.00 (T)
C141	CC-1, KCL SUBSTITUTE	GAL	2	\$40.00	\$80.00 (T)
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00 (T)
E107	CEMENT SERVICE CHARGE	SK	150	\$1.50	\$225.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50	\$3.25	\$162.50
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	323	\$1.30	\$419.90
R207	CASING CEMENT PUMPER, 3001-3500' 1ST 4 HRS ON LOC	EA	1	\$1,596.00	\$1,596.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00
R702	CASING SWIVEL RENTAL	EA	1	\$125.00	\$125.00

**Sub Total:** \$6,624.15  
**Discount:** \$1,987.70  
**Discount Sub Total:** \$4,636.45  
**Tax Rate:** 6.55%      **Taxes:** \$176.31  
(T) Taxable Item      **Total:** \$4,812.76

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.



ORIGINAL

FIELD ORDER

6781

INVOICE NO.  
Date **8-16-03**  
Customer ID

Subject to Correction

Lease **Panning** Well # **8** Legal **11-20s-11w**  
County **Barton** State **KS** Station **Pratt KS**

CHARGE **Popp Operating** Depth **TP=3366 14mf** Shoe Joint **43.09**  
Casing **5 1/2** Casing Depth **3366** TD **3379** Job Type **Longstring New Well**  
API# **15-009-24763-00-00** Customer Representative **Rick Popp** Treater **D. Scott**

AFE Number PO Number Materials Received by **X Ricky Popp**

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D207	125 ski	Econobond Common	✓			
D203	25 ski	60-40 por Common	✓			
C195	109 lbs	FLA-322	✓			
F101	6 ca	Centralizers 6 1/2 in	✓			
F191	1 ca	Guide Shoe "	✓			
F231	1 ca	ISFV w/Fill "	✓			
F143	1 ca	Top Swiper Plug "	✓			
C141	2 gal	CC-1	✓			
C302	500 gal	mud flush	✓			
KANSAS CORPORATION COMMISSION						
NOV 14 2003						
<b>RECEIVED</b>						
E107	150 ski	Cmt Serv Chg				
E100	1 ca	UNITS 1 way MILES 50				
E104	323 +m	TONS 1 way MILES 50				
R207	1 ca	EA. 3001-3500 PUMP CHARGE				
R701	1 ca	Cmt Head Rental 6 1/2				
R702	1 ca	Csg Swivel Rental "				
Discounted Price =				4636.45		

10244 NE Hiway 61 · P.O. Box 8613 · Pratt, KS 67124-8613 · Phone (620) 672-1201 · Fax (620) 672-5383 TOTAL

ORIGINAL

**TREATMENT REPORT**



Customer ID API # 15-009-24763-00-00	Date 8-16-03
Customer Popp Oper	Lease No.
Lease Panning	Well # 8

Field Order # 6781	Station Pratt KS	Casing 5 1/2	Depth 3366	County Barton	State KS
Type Job Long String New Well	Formation	Legal Description 11-20511w			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid 125 skt Econabond		RATE	PRESS	ISIP
Depth 3323	Depth	From	To	Pre Pad 1.8% FLA-322	Max		2000	5 Min.
Volume 81	Volume	From	To	Pad 1.54 #3 13.8ppg	Min			10 Min.
Max Press 2000	Max Press	From	To	Erac 25 skt 60-40por	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush 20 Bbls 2% KCL 12 Bbl m.f.	Gas Volume			Total Load

Customer Representative Rick Popp	Station Manager Dave Austry	Treater D. Scott
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Service Units	106	35	57	36	76			
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0300					Onloc 4 Trk's Safety mtg Guide Shoe Bottom ISFK Top S.J. Pent. 1-2-4-6-12-13 Csg on Bottom Drop Ball + Circ w/B.g
0534	225		20	6	St 2% KCL Flush
0538	225		12	6	St mud Flush
0541	200		5	6	H2O Spacer
0550	250		34.2	6	Mix Cmt @ 13.8ppg 125 skt
0558			10	5	Chose In a Wash Pump + line
0600	⊖			6.5	Release Plug + St Disp 4 2% KCL
0609	250		60	6.0	60 Bbls Disp out lift Cmt
0614	1250		81	⊖	Plug Down + psi Test Csg
0618	⊖				Release psi float held Good Circ. thru Job Rotated Csg thru Job
0625			6		Plug R.H. + M.H. w/25 skt 60-40por
KANSAS CORPORATION COMMISSION					
NOV 4 2003					Job Complete
<b>RECEIVED</b>					Thank you Scott V

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**SALES OFFICE:**  
 100 S. Main  
 Suite #607  
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 (316) 262-3699  
 (316) 262-5799 FAX

**ORIGINAL**  
**SALES & SERVICE OFFICE:**  
 10244 NE Hiway 61  
 P.O. Box 8613  
 Pratt, KS 67124-8613  
 (316) 672-1201  
 (316) 672-5383 FAX

**ACIDIZING - FRACTURING - CEMENTING**

*Invoice API # 15-009-24763-08-00*

<b>Bill to:</b>			7080000	<b>Invoice</b>	<b>Invoice Date</b>	<b>Order</b>	<b>Order Date</b>
POPP OPERATING P.O. Box 187 Hoisington, KS 67544				308061	8/21/03	6857	8/12/03
<b>RECEIVED</b> <b>NOV 14 2003</b> <b>KCC WICHITA</b>				<b>Service Description</b>			
				Cement			
			<b>Lease</b>		<b>Well</b>		
			Panning		8		
<b>AFE</b>	<b>CustomerRep</b>	<b>Treater</b>	<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>		
	Tom	T. Seba	New Well		Net 30		

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D201	A-CON BLEND (COMMON)	SK	150	\$13.08	\$1,962.00 (T)
D203	60/40 POZ (COMMON)	SK	100	\$7.84	\$784.00 (T)
C310	CALCIUM CHLORIDE	LBS	681	\$0.75	\$510.75 (T)
C194	CELLFLAKE	LB	57	\$2.00	\$114.00 (T)
F163	WOODEN CEMENT PLUG, 8 5/8"	EA	1	\$85.00	\$85.00 (T)
E107	CEMENT SERVICE CHARGE	SK	250	\$1.50	\$375.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50	\$3.25	\$162.50
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	568	\$1.30	\$738.40
R201	CASING CEMENT PUMPER, 301-500' 1ST 4 HRS ON LOC.	EA	1	\$704.00	\$704.00

<b>Sub Total:</b>	\$5,435.65
<b>Discount:</b>	\$1,685.50
<b>Discount Sub Total:</b>	\$3,750.15
<b>Tax Rate: 6.55%</b> (T) Taxable Item	<b>Taxes:</b> \$156.16
	<b>Total:</b> <span style="border: 1px solid black; padding: 2px;">\$3,906.31</span>

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.



ORIGINAL

FIELD ORDER

6857

INVOICE NO.  
Date 8-12-03  
Customer ID

Subject to Correction  
Lease PAUNING  
County BARTON  
Well # 8  
State Ks  
Legal 11-20S-11W  
Station PRATT

CHARGE

POPP OPERATING  
Depth 23"  
Formation  
Shoe Joint 15' Customze log  
Casing 8 7/8  
Casing Depth 505  
TD 506  
Job Type 8 7/8 SURFACE NEW WELL  
API # 15-009-24763-00-00  
Customer Representative TOM  
Treater SEZA  
Materials Received by X Thomas LC

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-201	150 SKS	A-10W	✓			
D-203	100 SKU	60/40 Por	✓			
C-310	681 lbs	Calcium CHLORIDE	✓			
C-194	57 lb	CELLULAKP	✓			
F-163	1 EA	WOODEN PLUG 8 7/8	✓			
					KANSAS CORPORATION COMMISSION	
					NOV 14 2003	
					<b>RECEIVED</b>	
E-107	250 SKS	CMT SERV. CHARGE				
E-100	50 MS	UNITS /WAY MILES 50				
E-104	668 TM	TONS MILES				
R-201	1 EA	EA. 505 PUMP CHARGE				
DISCOUNTED PREL =				3,750.15		
+ TAX						

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TOTAL

## TREATMENT REPORT



Customer ID ADT # 15-009-24763-00-00		Date 8-12-03	
Customer POPP OPER.		Lease No.	Well # 8
Lease PANNING		County BARTON	State KS

Field Order # 6857	Station PRATT	Casing 3 5/8	Depth	County BARTON	State KS
Type Job 8 5/8 SURFACE NEW WELL			Formation TD	Legal Description 11-205-11W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 150 SKS A-CO <sub>2</sub>		RATE	PRESS	ISIP
Depth 305	Depth	From	To	Pre-Pad 3 3/8 C.C 1/4" CELL FLUO	Max			5 Min.
Volume 31.36	Volume	From	To	Pad 11.8 gal 2.71 ft <sup>3</sup>	Min			10 Min.
Max Press 300	Max Press	From	To	Frac 700 SKS 60/40 P02	Avg			15 Min.
Well Connection	Annulus Vol.	From	To	3 3/8 C.C 1/4" CELL FLUO	H/P Used			Annulus Pressure
Plug Depth 470	Packer Depth	From	To	Flush 14.7 gal 1.25 ft <sup>3</sup>	Gas Volume			Total Load

Customer Representative Tom	Station Manager W. AUREY	Treater T. SEBA
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Service Units	103	26	36	71
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
23:00					called out
11:15					on LA WTRK's / SAFETY MTG Run 13 JT's 2 7/8 CSG 23"
1:55	200		10	5	START PUMPING
			72.40		START MIX i Pump 150 SKS A-CO <sub>2</sub> & 11.8 gal
			22.26		START MIX i Pump 100 SKS 60/40 P02 & 14.7 gal
			94.66		SHUT DOWN
					RELEASE 8 5/8 WOODEN PLUG
1:59	150			4	START DISP
2:05			31.44	?	PLUG DOWN
2:59	250				CLOSE VALVE ON CSG GOOD CHECK THEN JO3 CALL CRT TO PIT
3:00					

KANSAS CORPORATION COMMISSION

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JO3 COMPLETE

THANKU

TODD





**COPY**

**SALES OFFICE:**  
 100 S. Main  
 Suite #607  
 Wichita KS 67202  
 (316) 262-3699  
 (316) 262-5799 FAX

**SALES & SERVICE OFFICE:**  
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 P.O. Box 8613  
 Pratt, KS 67124-8613  
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**ACIDIZING - FRACTURING - CEMENTING**

Invoice API # 15-009-24763-00-00

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POPP OPERATING P.O. Box 187 Hoisington, KS 67544				308078	8/22/03	6781	8/16/03
				<b>Service Description</b>			
				Cement			
				<b>Lease</b>		<b>Well</b>	
				Panning		8	
<b>A/E</b>	<b>CustomerRep</b>	<b>Treater</b>		<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>	
	R. Popp	D. Scott		New Well		Net 30	

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F143	TOP RUBBER CEMENT PLUG, 5 1/2"	EA	1	\$70.00	\$70.00 (T)
C141	CC-1, KCL SUBSTITUTE	GAL	2	\$40.00	\$80.00 (T)
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E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	323	\$1.30	\$419.90
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**Sub Total:** \$6,624.15  
**Discount:** \$1,987.70  
**Discount Sub Total:** \$4,636.45  
**Tax Rate:** 6.55% **Taxes:** \$176.31  
 (T) Taxable Item **Total:** \$4,812.76

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.



## TREATMENT REPORT



Customer ID <b>API # 15-009-24763-00-00</b>	Date <b>8-16-03</b>
Customer <b>Popp Oper</b>	Lease No.
Lease <b>Panning</b>	Well # <b>8</b>

Field Order # <b>6781</b>	Station <b>Pratt KS</b>	Casing <b>5 1/2</b>	Depth <b>3366</b>	County <b>Barton</b>	State <b>KS</b>
Type Job <b>Long String New Well</b>			Formation		Legal Description <b>11-20s-11w</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>3 1/2</b>	Tubing Size	Shots/Ft		Acid <b>125slt Econabond</b>		RATE	PRESS	ISIP
Depth <b>3323</b>	Depth	From	To	Pre Pad <b>18% FLA-322</b>	Max		<b>2000</b>	5 Min.
Volume <b>81</b>	Volume	From	To	Pad <b>1.54 Pt3 13.8ppg</b>	Min			10 Min.
Max Press <b>2000</b>	Max Press	From	To	Frac <b>25slt 60-40por</b>	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush <b>20Bbls 2% KCL 12 Bbls m.h.</b>	Gas Volume			Total Load

Customer Representative <b>Rick Popp</b>	Station Manager <b>Dave Autry</b>	Treater <b>D Scott</b>
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Service Units	<b>106</b>	<b>35</b>	<b>57</b>	<b>36</b>	<b>76</b>			
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0300					On loc w/Trk's Safety mtg Guide Shoe Bottom ISFV Top S.J. Cent. 1-2-4-6-12-13 Psg on Bottom Drop Ball & Circ w/Rig
0534	225		20	6	St 2% KCL Flush
0538	225		12	6	St mud Flush
0541	200		5	6	H <sub>2</sub> O Spacer
0550	250		34.2	6	Mix Cmt @ 13.8ppg 125slt
0558			10	5	Chose In & Wash Pump & line
0600	⊖			6.5	Release Plug & St Disp w/2% KCL
0609	250		60	6.0	60Bbls Disp out lift Cmt
0614	1250		81	⊖	Plug Down & psi Test Psg
0618	⊖				Release psi float held Good Circ. thru Job Rotated Psg thru Job
0625			6		Plug R.H. & M.H. w/25slt 60-40por

KANSAS CORPORATION COMMISSION

NOV 14 2003

RECEIVED

Job Complete  
Thank you  
Scott V