

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**

Form ACO-1  
September 1999  
Form Must Be Typed

**ORIGINAL**

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32325  
Name: POPP OPERATING, INC.  
Address: P.O. Box 187  
City/State/Zip: Hoisington, KS 67544  
Purchaser: Semcrude  
Operator Contact Person: Rickey Popp  
Phone: (620) 786-5514  
Contractor: Name: Discovery Drilling Co., Inc.  
License: 31548  
Wellsite Geologist: Jim Musgrove

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

7/20/04 7/28/04 8-17-04  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 185-23,264-00-00  
County: Stafford  
5 N & 125 E of  
C -W/2SE-NE Sec. 15 Twp. 23 S. R. 13W  East  West  
1975 feet from  N (circle one) Line of Section  
865 feet from  E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one)  NE  SE  NW  SW  
Lease Name: Ward Well #: 2

Field Name: Happy Valley  
Producing Formation: Arbuckle  
Elevation: Ground: 1889 Kelly Bushing: 1897  
Total Depth: 4050 Plug Back Total Depth: 3837  
Amount of Surface Pipe Set and Cemented at 318.38 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.

(10sks In Mouse Hole) (15sks In Rat Hole)

Drilling Fluid Management Plan *Alt I KGR 2/18/08*  
(Data must be collected from the Reserve Kit)  
Chloride content 8,000 ppm Fluid volume 1280 bbls  
Dewatering method used Haul to SWD

Location of fluid disposal if hauled offsite:  
Operator Name: Ellinwood Tank Svc  
Lease Name: Siefkes Lse License No.: 4297  
Quarter NW Sec. 13 Twp. 22 S. R. 12  East  West  
County: Stafford Docket No.: D 78,345

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Rickey Popp  
Title: President Date: 10-20-04

Subscribed and sworn to before me this 28th day of October

2004  
Notary Public: Jane M. Steint  
Date Commission Expires: 5/20/07

**KCC Office Use ONLY**

No Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

NOTARY PUBLIC - State of Kansas  
JANE M. STEINERT  
My Appt. Exp. 5/20/07



**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  
 (620) 672-1201  
 (620) 672-5383 FAX

**SALES & SERVICE OFFICE:**  
 1700 S. Country Estates Rd.  
 P.O. Box 129  
 Liberal KS 67905-0129  
 (620) 624-2277  
 (620) 624-2280 FAX

## Invoice

<b>Bill to:</b> POPP OPERATING P.O. Box 187 Hoisington, KS 67544	7080000	<b>Invoice</b>	<b>Invoice Date</b>	<b>Order</b>	<b>Order Date</b>
		407113	7/31/04	8138	7/21/04
	<b>Service Description</b>				
	Cement				
			<b>Lease</b>	<b>Well</b>	
			Ward	2	
<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

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D203	60/40 POZ (COMMON)	SK	275	\$8.25	\$2,268.75 (T)
C194	CELLFLAKE	LB	64	\$2.00	\$128.00 (T)
C310	CALCIUM CHLORIDE	LBS	791	\$0.80	\$632.80 (T)
F163	WOODEN CEMENT PLUG, 8 5/8"	EA	1	\$85.00	\$85.00 (T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	25	\$3.50	\$87.50
E107	CEMENT SERVICE CHARGE	SK	350	\$1.50	\$525.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	385	\$1.50	\$577.50
R200	CASING CEMENT PUMPER, 0-300' 1ST 4 HRS ON LOC.	EA	1	\$662.00	\$662.00
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	25	\$2.00	\$50.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00
D200	COMMON	SK	75	\$11.85	\$888.75 (T)
R402	CEMENT PUMPER, ADDITIONAL HRS ON LOCATION	HR	1	\$210.00	\$210.00

**Sub Total:** \$6,365.30  
**Discount:** \$1,591.04  
**Discount Sub Total:** \$4,774.26  
**Stafford County & State Tax Rate: 6.30% Taxes:** \$189.17  
 (T) Taxable Item

**Total:** \$4,963.43

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 OCT 29 2004  
 KCC WICHITA

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.



INVOICE NO.		Subject to Correction			<b>FIELD ORDER</b> 8138			
Date	7-21-04	Lease	Ward	Well #	2	Legal	15-233-13w	
Customer ID		County	Stafford	State	KS	Station	Pratt KS	
C H A R G E	Popp Operating		Depth	Formation	TP=318' 28 ppt	Shoe Joint	15 Requested	
	Casing	8 5/8	Casing Depth	318	TD	319	Job Type	Surface New Well
	Customer Representative			Rick Popp		Treater		D. Scott

AFE Number \_\_\_\_\_ PO Number \_\_\_\_\_

Materials Received by **X Ruby Popp**

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D203	275 ski	60-40 gal Common	-			
C194	64 lb	Cellflake	-			
C310	711 lb	Calcium Chloride	-			
F163	1 eq	Top Wood Plug 8 5/8				
E100	1 eq	Trk mi lway 25 mi				
E107	275 ski	Cmt Serv Chg				
E104	296 tm	Bulk Delv Chg				
R200	1 eq	Pump Charge				
E101	1 eq	Pickup mi lway 25 mi				
R701	1 eq	Cmt Head Rental				
in Topoff Job						
D200	75 ski	Common Cmt	-			
C310	80 lb	Calcium chloride	-			
E107	75 ski	Cmt Serv Chg				
E104	89 tm	Bulk Delv Chg				
R402	1 eq	Additional hr	1 hr			
		UNITS	MILES			
		TONS	MILES			
		EA.	PUMP CHARGE			
Discounted Price =				4774.26		

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# TREATMENT REPORT



Customer ID		Date	
Customer <b>Popp Oper</b>		<b>7-21-04</b>	
Lease <b>ward</b>	Lease No.	Well # <b>2</b>	
Field Order # <b>8738</b>	Station <b>Pratt 1CS</b>	Casing <b>8 5/8</b>	Depth <b>319</b>
		County <b>Stafford</b>	State <b>KS</b>

Type Job **Surface New Well**      Formation \_\_\_\_\_      Legal Description **75-235-134**

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>8 5/8</b>	Tubing Size	Shots/Ft <b>1.25</b>	<b>14.5ppg</b>	Acid <b>60-40 For</b>		RATE	PRESS <b>300</b>	ISIP
Depth <b>304</b>	Depth <b>PBTD</b>	From	To	Pre Pad <b>390CC 1/4 C.F.</b>	Max			5 Min.
Volume <b>18.9</b>	Volume	From	To	Pad <b>275 ski</b>	Min			10 Min.
Max Press	Max Press	From	To	Frac <b>1in Topoff w/75ski</b>	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush <b>H2O</b>	Gas Volume			Total Load

Customer Representative **Rick Popp**      Station Manager **Dave Autry**      Treater **D. Scott**

Service Units: **118**    **46**    **57**    **47**    **72**

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0200					On Loc w/Trk's Safety mtg
					Csg on Bottom Circ w/Rig
0630	200		5	5	H2O Spacer
0633	200		61.2	4	mix Cmt @ 14.5 ppg 275 sk
0648	⊖			4	Release Plug + 57 Disp w/H2O
0700	225		18.9	⊖	Disp In Close In w.H. Didn't Circ Cmt Run line Cmt 20' Down Order Cmt Run 20ft 1in Tbg
1030			15.7	1	Run 75ski Std 390 CC
<b>RECEIVED</b>					
<b>OCT 29 2004</b>					Job Complete
<b>KCC WICHITA</b>					Thank you
					<b>Scotty</b>



**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  
 (620) 672-1201  
 (620) 672-5383 FAX

**SALES & SERVICE OFFICE:**  
 1700 S. Country Estates Rd.  
 P.O. Box 129  
 Liberal, KS 67905-0129  
 (620) 624-2277  
 (620) 624-2280 FAX

## Invoice

<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			407112	7/31/04	8142	7/29/04
<b>Service Description</b>						
Cement						
<b>Lease</b>				<b>Well</b>		
Ward				2		
<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	

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D204	50/50 POZ (COMMON)	SK	100	\$7.35	\$735.00 (T)
D203	60/40 POZ (COMMON)	SK	25	\$8.25	\$206.25 (T)
C195	FLA-322	LB	68	\$7.50	\$510.00 (T)
C244	CEMENT FRICTION REDUCER	LB	17	\$4.75	\$80.75 (T)
C221	SALT (Fine)	GAL	476	\$0.25	\$119.00 (T)
C321	GILSONITE	LB	451	\$0.60	\$270.60 (T)
F101	TURBOLIZER, 5 1/2"	EA	4	\$71.00	\$284.00 (T)
F274	WEATHERFORD CEMENTING SHOE PACKER TYPE, 5 1/2"	EA	1	\$3,100.00	\$3,100.00 (T)
F171	LATCH DOWN PLUG & BAFFLE, 5 1/2"	EA	1	\$250.00	\$250.00 (T)
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00 (T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	25	\$3.50	\$87.50
E107	CEMENT SERVICE CHARGE	SK	125	\$1.50	\$187.50
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	134	\$1.50	\$201.00
R208	CASING CEMENT PUMPER, 3501-4000' 1ST 4 HRS ON LOC	EA	1	\$1,680.00	\$1,680.00
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	25	\$2.00	\$50.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00
C141	CC-1, KCL SUBSTITUTE	GAL	5	\$42.00	\$210.00 (T)

**Sub Total:** \$8,596.60

**Discount:** \$1,995.68

**Discount Sub Total:** \$6,600.92

**Stafford County & State Tax Rate: 6.30% Taxes:** \$297.05

(T) Taxable Item

**Total:** \$6,897.97

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KODONICAITA

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.

281st 4th St, 1mi East, 1/4mi South, W L-TO



INVOICE NO.

**FIELD ORDER** 8142

Subject to Correction

Date	7-29-04	Lease	Ward	Well #	2	Legal	13-23s-13w
Customer ID		County	Stafford	State	KS	Station	Pratt KS
CHARGE	Popp Operating		Depth	Formation	TP=3887' 14pp	Shoe Joint	42.88
	Casing	5 1/2	Casing Depth		4050	Job Type	Longstring Newwell
	Customer Representative	Rick Popp	Treater				D. Scott

AFE Number	PO Number	Materials Received by	X Rick Popp By D. Scott
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D204	100 ski	50-50 poz Common	-			
D203	25 ski	60-40 poz "	-			
C195	68 lbs	FLA-322	-			
C244	17 lbs	Cmt Friction Reducer	-			
C221	476 lbs	Salt fine	-			
C321	451 lbs	Gilsonite	-			
F101	4 ea	Centralizers 5 1/2	-			
F274	1 ea	PKR Shoe "	-			
F171	1 ea	L.D. Plug & Baffle "	-			
C302	500 gali	mud Flush	-			
E106	1 ea	Trk mi way 25 mi	-			
E107	125 ski	Cmt Serv Chg	-			
E104	134 tm	Bulk Delv Chg	-			
R208	1 ea	Pump Charge	-			
E101	1 ea	Pickup mi way 25 mi	-			
R701	1 ea	Cmt Head Rental	-			
C141	5 gali	CC-1	-			
RECEIVED OCT 29 2004 KCC WIGHITA						
	UNITS	MILES				
	TONS	MILES				
	EA.	PUMP CHARGE				
				Discounted Price = 6600.92		

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



# TREATMENT REPORT

Customer ID		Date	
Customer <b>Popp Operating</b>		7-29-04	
Lease <b>Ward</b>		Lease No.	Well # <b>2</b>

Field Order # <b>8942</b>	Station <b>Pratt KS</b>	Casing <b>5 1/2</b>	Depth	County <b>Stafford</b>	State <b>KS</b>
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Type Job <b>Longstring New well</b>	Formation	Legal Description <b>15-23s-13w</b>
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PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>5 1/2</b>	Tubing Size	Shots/Ft <b>1.35<sup>A3</sup></b>	<b>14.2 ppg</b>	Acid <b>100ski 50-50 por</b>		RATE	PRESS <b>2000</b>	ISIP
Depth <b>3844</b>	Depth	From	To	Prog Pad <b>18% FLA-322, 2 AR</b>	Max			5 Min.
Volume <b>93.7</b>	Volume	From	To	Pad <b>10% Salt 5<sup>th</sup> 5.1</b>	Min			10 Min.
Max Press <b>2000</b>	Max Press	From	To	Frag <b>25 sn: 60-40 por</b>	Avg			15 Min.
Well Connection	Annulus Vol.	From	To	Disp <b>1/2% KCl</b>	HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush <b>1/2 Bbls m.f.</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>118</b>	<b>80</b>	<b>57</b>	<b>35</b>	<b>72</b>			
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0300					On hoc w/Trki Safety mtg PKR shoe Bottom Baffle Top S.J. Basket #1, Cent 1-2-3-4 Csg on Bottom Circ w/Rig Drop Ball + Set PKR shoe w/Rig Circ
0652	106		5	5	H <sub>2</sub> O Spacer
0653	200		12	5	st mud Flush
0655	100		5	5	H <sub>2</sub> O Spacer
0657	200		24	3.8	mix Cmt @ 14.2 ppg 100ski
0707	6		10	5	Close Zn & Wash Pump & line
0708	100			7.5	Release Plug & st Disp w/2% KCl
0718	250		73	7.3	Lifting Cmt 73 Bbls Disp out
0722	1500		93.7	0	Plug Down & psi Test Csg
0724	0				Release psi float Held Good Circ Thru Job Plug R.H. & M.H. w/25 ski por

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Job Complete  
 Thank you Scotty

ORIGINAL

Side Two

Operator Name: POPP OPERATING, INC. Lease Name: WARD Well #: 2
Sec. 15 Twp. 23 S. R. 13W East West County: Stafford

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.

Drill Stem Tests Taken (Attach Additional Sheets)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run (Submit Copy)
List All E. Logs Run:
Dual Induction, Compensation Density Neutron & Micro Logs Cement Bond Log

Table with 3 columns: Name, Top, Datum. Rows include Anhydrite, Tariko, Howard, Topeka, Lansing, Base KC, Congl Sand, Arb.

CASING RECORD Table with 8 columns: Purpose of String, Size Hole Drilled, Size Casing Set (In O.D.), Weight Lbs./Ft., Setting Depth, Type of Cement, # Sacs Used, Type and Percent Additives.

ADDITIONAL CEMENTING / SQUEEZE RECORD Table with 5 columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD - Bridge Plugs Set/Type Table with 4 columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth.

TUBING RECORD Table with 4 columns: Size, Set At, Packer At, Liner Run. Includes Date of First Resumed Production, SWD or Enhr. and Producing Method.

Disposition of Gas and METHOD OF COMPLETION section with checkboxes for Vented, Soid, Used on Lease, Open Hole, Perf., Dually Comp., Commingled, and Other (Specify).