

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

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

API No. 15 - 009-24,773-00-00  
County: Barton  
210' N of NW of SW Sec. 11 Twp. 20 S. R. 11W  East  West  
4080 feet from (N) (circle one) Line of Section  
330 feet from (W) (circle one) Line of Section

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE (NW) SW  
Lease Name: Panning Well #: 9  
Field Name: Chase-Silica  
Producing Formation: Arbuckle  
Elevation: Ground: 1756 Kelly Bushing: 1764  
Total Depth: 3380 Plug Back Total Depth: \_\_\_\_\_

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. \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 505 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 cm.

11-28-03 12-02-03 12-12-03  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

Drilling Fluid Management Plan ALT I WITH  
(Data must be collected from the Reserve Pit) 2-12-07  
Chloride content 16,000 ppm Fluid volume 80 bbls  
Dewatering method used Hauled free fluids  
Location of fluid disposal if hauled offsite:  
Operator Name: Popp Operating, Inc.  
Lease Name: Panning License No.: 32325  
Quarter S/2 Sec. 11 Twp. 20 S. R. 11  East  West  
County: Barton Docket No.: D-27,948

**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: Rick Popp  
Title: President Date: 3-8-04  
Subscribed and sworn to before me this 8th day of March,  
2004.  
Notary Public: Jane M. Steinert  
Date Commission Expires: 5/20/07

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

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: POPP OPERATING, INC. Lease Name: Panning Well #: 9  
 Sec. 11 Twp. 26 S. R. 11W  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.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:  
 Compensation Density/Neutron Proximity  
 Dual Induction, Micro, CBL Logs

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Anhydrite	490	+1274
Tariko	2368	-601
Heebner	2881	-1117
Lansing Gp	3027	-1263
Base KC	3261	-1497
Arb	3279	-1515

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	# Sacs Used	Type and Percent Additives
Surface Pipe	12 1/4	8 5/8	23	505	60/40Poz	250	3%CC/1/4#CF/sk
Production St.	7 7/8	5 1/2	14	3365	Econobond	125	.8%FLA-322
							5#/skGilsonite

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 (Amount and Kind of Material Used)	Depth
4	3278-79	250 gal 7-1/2% MCA	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8	3307	-----	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
12-17-03		<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	35	-----	315	10%	39

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval  Other (Specify) \_\_\_\_\_



**CONFIDENTIAL** KCC FEB 23 2004

**ORIGINAL**

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**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			311118	11/30/03	7334	11/29/03
<b>Service Description</b>						
Cement						
<b>Lease</b>				<b>Well</b>		
Panning				9		
<b>AFE</b>	<b>CustomerRep</b>	<b>Treater</b>	<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>	
	T. Alan	T. Seba	New Well		Net 30	

**RECEIVED**  
**FEB 23 2004**  
**KCC WICHITA**

<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	100	\$7.84	\$784.00 (T)
D201	A-CON BLEND (COMMON)	SK	150	\$13.08	\$1,962.00 (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

**Sub Total:** \$5,435.65  
**Discount:** \$1,685.50  
**Discount Sub Total:** \$3,750.15  
**Barton County & State Tax Rate: 6.55%** **Taxes:** \$156.16  
 (T) Taxable Item  
**Total:** \$3,906.31

D

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.

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ORIGINAL



INVOICE NO.		Subject to Correction		<b>FIELD ORDER</b> 7334	
Date	11-29-03	Lease	PANNING	Well #	9
Customer ID		County	BARTON	State	Ks
POPP OPERATING KCC		Depth	23 1/4'	Formation	
FEB 23 2004		Casing	8 5/8	Casing Depth	504'
CONFIDENTIAL		TD	505'	Shoe Joint	20' CUSTOMER REQ
		Customer Representative	Tom Almy	Treater	T. SEBA
		Job Type	8 5/8 SUCLOS	NEW WORK	

CHARGE

AFE Number	PO Number
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Materials Received by **X** Thomas

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-203	100 SKS	60/40 Pz		✓		
D-201	150 SKS	A-COIL		✓		
C-310	681 lbs	CALCIUM CHLORIDE		✓		
C-194	57 lbs	CELSULOK		✓		
F-163	1 EA	WOODEN Plug 8 5/8		✓		
RECEIVED						
FEB 23 2004						
KCC WICHITA						
E-107	250 SKS	CHG SERV. CHARGE				
E-100	50 MF	UNITS 1WAY MILES 50				
E-104	568 TM	TONS MILES				
R-201	1 EA	EA. PUMP CHARGE				
				DISCOUNTED Price =	3,750.15	
				+ TAXES		

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

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KCC

FEB 23 2004

ORIGINAL

TREATMENT REPORT

CONFIDENTIAL



Customer ID	Date	
Customer	11-29-03	
Lease	Lease No.	Well # 9

Field Order # 7334	Station PRATT	Casing 8 5/8	Depth 504'	County BARTON	State KS
Type Job 8 5/8 SURFACE	NEW WELL	Formation TD: SOS'	Legal Description 11-20S-11W		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	LEAD	Acid 150 SKI A-CON	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre-Pad 3 3/4 CC 1/4" C.F.	Max		5 Min.	
Volume	Volume	From	To	Pad 11.8#/GAL 2.71#13	Min		10 Min.	
Max Press	Max Press	From	To	Frac 100 SKI 60/4. POL	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	290 GAL 3 3/4 CC 1/4" C.F.	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush 14.7#/GAL 1.25PT3	Gas Volume		Total Load	

Customer Representative Tom Plm	Station Manager D. ANTON	Treater T. SEBO		
Service Units	114	26	35	71

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
23:00					RECEIVED CALLED out 11-28.
1:15					FEB 23 2004 as loc w/tek's: SAFETY MTG
2:00					KCC WICHITA Run 11 JT's 23" 8 5/8 CSG.
3:05					START CSG.
3:12					CSG. ON BOTTOM
3:22	150			6	Hook up to CSG & BREAK CIRC w/REG.
			10		START PUMPING
			72.40		10 Bbls H <sub>2</sub> O
			22.26		START MIX! Pump 150 SKI A-CON 11.8#/GAL
			99.66		START MIX! Pump 100 SKI & 14.7#/GAL
3:42					SHUT DOWN
3:44	100			5 1/2	RELEASE 8 5/8 PLUG
3:50			31.4	?	START DISC
3:51	250				PLUG DOWN
					CLOSE VALVE ON CSG.
					GOOD CIRC TAKEN JOB
					CIRC CNT TO PIT
					JOB COMPLETE
					Thanks
					TD00

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FEB 20 2004

**ORIGINAL**

**CONFIDENTIAL**

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

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 1700 S. Country Estates Rd.  
 P.O. Box 129  
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 (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			312016	12/10/03	7433	12/3/03
<b>Service Description</b>						
Cement						
				<b>Lease</b>		<b>Well</b>
				Panning		9
<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**  
**FEB 23 2004**  
**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	86	\$7.50	\$645.00 (T)
C141	CC-1, KCL SUBSTITUTE	GAL	2	\$40.00	\$80.00 (T)
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00 (T)
F101	TURBOLIZER, 5 1/2"	EA	7	\$71.00	\$497.00 (T)
F143	TOP RUBBER CEMENT PLUG, 5 1/2"	EA	1	\$70.00	\$70.00 (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)
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:** \$6,537.65

**Discount:** \$2,226.68

**Discount Sub Total:** \$4,310.97

**Barton County & State Tax Rate: 6.55%** **Taxes:** \$162.37

(T) Taxable Item

**Total:** \$4,473.34

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.

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ORIGINAL



INVOICE NO.
Date 12-3-03
Customer ID

Subject to Correction

FIELD ORDER 7433

Lease Panning	Well # 9	Legal 11-20-11
County Barton	State KS	Station Pratt KS

CHARGE

Popp Oper KCC

FEB 20 2004

Depth	Formation TP = 3365	Shoe Joint 93.20
Casing 5 1/2	Casing Depth	TD 3380
Customer Representative Rick Popp	Treater D. Scott	Job Type Long String

CONFIDENTIAL

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

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D207	125 sk	Econobond Common	✓			
D203	25 sk	60140 por Common	✓			
C195	86 Lb	FLA-322	✓			
C141	2 gal	CC-1	✓			
C302	500 gal	mud flush	✓			
F101	7 ea	Centralizer 5 1/2	✓			
F143	1 ea	Top Swiper Plug 11	✓			
F191	1 ea	Guide Shoe 11	✓			
F231	1 ea	JSFV w/Fill 11	✓			
RECEIVED						
FEB 23 2004						
KCC WICHITA						
E107	150 ski	Cmt Serv Chg				
E100	1 ea	UNITS / way MILES 50				
E104	323 tm	TONS / way MILES 50				
R207	1 ea	EA. 3001-3300 PUMP CHARGE				
R701	1 ea	Cmt Head Rental				
R702	1 ea	Csg Swivel Rental				
Discounted Price =				4310.97		

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TOTAL

CONFIDENTIAL

KCC

FEB 20 2004

ORIGINAL

TREATMENT REPORT



Customer ID CONFIDENTIAL	Date 12-3-03				
Customer Popp Oper	Lease No.				
Lease Panning	Well # 9				
Field Order # 7433	Station Pratt KS	Casing 5 1/2	Depth 3365	County Barton	State KS

Type Job Long String New Well	Formation	Legal Description 11-20-11
----------------------------------	-----------	-------------------------------

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth 3322	Depth PBTD	From	To	Pre Pad		Max	2000	5 Min.
Volume 81	Volume	From	To	Pad		Min		10 Min.
Max Press 2000	Max Press	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative Rick Popp	Station Manager Dave Autry	Treater D. Scott
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0100					RECEIVED FEB 23 2004 KCC WICHITA Onloc w/Trki Safety mtg G.S. Bottom ISFV Top S.J. Bent 1-10' up #3-#3-20' up #5-#3,6,2,8 Csg on Bottom Drop Ball + Circ w/Rig
0245	300		20	5	St 290 HCL flush
0248	300		12	5	St mud Flush
0252	300		5	5	H2O Spacer
0256	300		40	4.5	mix Cmt @ 13.8 ppg 125 sk
0306	⊖		10	6	Close In + Wash Pump + line
0308	100			6	Release Plug + St Disp w/H2O
0316	300		55	6	Lift Cmt 55 Bbli Disp Out
0320	1100		81	⊖	Plug Down + psi Test Csg
0322	⊖				Release psi Held Good Circ Thru Job Rotated Csg. Plug R.H. + M.H. w/25 sti por
					Job Complete Thank you Scotty

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