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KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32325
Name: Popp Operating, Inc.
Address: PO Box 187
City/State/Zip: Hoisington, Ks 67544
Purchaser: STG
Operator Contact Person: Rickey Popp
Phone: (620) 786-5514
Contractor: Name: Discovery Drilling, Inc.
License: 31548
Wellsite Geologist: Robert Stolze

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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. _____

<u>04/08/05</u>	<u>04/12/05</u>	<u>04/26/05</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-24,834-00-00
County: Barton
100 S. NW NW SW Sec. 11 Twp. 20 S. R. 11 East West
3070' feet from S (N) (circle one) Line of Section
330' feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Panning Well #: 12
Field Name: Chase-Silica

Producing Formation: Arbuckle
Elevation: Ground: 1756' Kelly Bushing: 1764'
Total Depth: 3380' Plug Back Total Depth: 3330'
Amount of Surface Pipe Set and Cemented at 521.08' 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.

10 sx Mouse 15 sx Rat Holes
Drilling Fluid Management Plan A17 1 NCR 8-13-08
(Data must be collected from the Reserve Pit)

Chloride content 12,000 ppm Fluid volume 160 bbls
Dewatering method used Haul 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

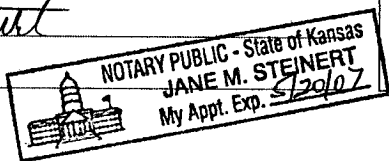
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: Rickey Popp
Title: President Date: 08/08/05

Subscribed and sworn to before me this 8th day of August,
2005.

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



KCC Office Use ONLY
NO Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

X

Operator Name: Popp Operating, Inc. Lease Name: Panning Well #: 12
 Sec. 11 Twp. 20 S. R. 11 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:

Compensated Density/Neutron Proximity, Dual Induction, Micro & Cement Bond Logs

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Anhydrite	499	+1259
Topeka	2610	-846
Heebner	2872	-1108
Lansing Gp	3017	-1253
Base KC	3252	-1488
Arbuckle	3270	-1506

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#	521'	A-Con & 60/40	400	3%cc 1/4#/sx CF
Production	7 7/8"	5 1/2"	14#	3373'	Econ-Bond	150	.8% FLA-322

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	3269.5-70.5'	250 GAL 15% MCA	3269.5-70.5'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	3314'	A-C 3253'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
04-28-05		<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		190	20%	38

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval 3269.5-70.5'



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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

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

Invoice

Bill to: POPP OPERATING P.O. Box 187 Hoisington, KS 67544	7080000	Invoice	Invoice Date	Order	Order Date
		504085	4/18/05	10053	4/12/05
	Service Description				
	Cement				
		Lease	Well		
		Panning	12		
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms
	R. Popp	C. Messick	New Well		Net 30

ID.	Description	UOM	Quantity	Unit Price	Price
D207	ECONOBOND (COMMON)	SK	150	\$14.51	\$2,176.50 (T)
D203	60/40 POZ (COMMON)	SK	25	\$9.09	\$227.25 (T)
C195	FLA-322	LB	103	\$7.50	\$772.50 (T)
C244	CEMENT FRICTION REDUCER	LB	32	\$4.75	\$152.00 (T)
C141	CC-1, KCL SUBSTITUTE	GAL	5	\$42.00	\$210.00 (T)
C302	MUD FLUSH	GAL	500	\$0.86	\$430.00 (T)
F101	TURBOLIZER, 5 1/2"	EA	10	\$74.20	\$742.00 (T)
F171	LATCH DOWN PLUG & BAFFLE, 5 1/2"	EA	1	\$250.00	\$250.00 (T)
F211	AUTO FILL FLOAT SHOE, 5 1/2"	EA	1	\$320.00	\$320.00 (T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	55	\$3.65	\$200.75
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	55	\$2.15	\$118.25
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	413	\$1.60	\$660.80
E107	CEMENT SERVICE CHARGE	SK	175	\$1.50	\$262.50
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	\$150.00	\$150.00

Sub Total: \$8,518.55

Discount: \$2,130.24

Discount Sub Total: \$6,388.31

Barton County & State Tax Rate: 6.55% Taxes: \$259.37

(T) Taxable Item

Total: \$6,647.68

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

10053 ✓

INVOICE NO.		Subject to Correction	
Date	4-12-05	Lease	Panning
Customer ID		County	Barton
		Well #	12
		State	KS.
		Legal	11-20-11W
		Station	Pratt
CHARGE	Popp Operating	Depth	Formation
		Casing	5 1/2" 14#/ft.
		Casing Depth	3373
		TD	3380'
		Shoe Joint	42.72'
		Job Type	Cement-LongString-New Well
		Customer Representative	Rick Popp
		Treater	Clarence R. Messick

AFE Number	PO Number	Materials Received by	X <i>Rick Popp</i>
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-207	150 st.	Econo Bond (common)	-			
D-203	25 st.	60/40 Poz (common)	-			
C-195	103 lb.	FLA-322	-			
C-244	32 lb.	Cement Friction Reducer	-			
C-141	5 gal.	CC-1	-			
C-302	500 gal.	Mud Flush	-			
F-101	10 ea.	Turbolizer, 5 1/2"	-			
F-171	1 ea.	I.R. Latch Down Plug and Baffle, 5 1/2"	-			
F-211	1 ea.	AutoFill Float Shoe, 5 1/2"	-			
E-100	55 mi.	Heavy Vehicle Mileage	1-way			
E-101	55 mi.	Pickup Mileage	1-way			
E-104	413 tm.	Bulk Delivery				
E-107	175 st.	Cement Service Charge				
R-207	1 ea.	Casing Cement Pumper 3,001 - 3,500'				
R-701	1 ea.	Cement Head Rental				
R-702	1 ea.	Casing Survival Rental				
		Discounted Price =		\$ 6,388.31		
		Plus taxes				

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TREATMENT REPORT



Customer ID	Date
Customer Popp Operating	4-12-05
Lease Panning	Lease No. Well # 12
Field Order # 10053	Station Pratt
Casing 5 1/2" 14#/ft.	Depth 3373'
County Barton	State KS
Type Job Cement-Long String-New Well	Legal Description 11-205-11W

PIPE DATA		PERFORATING DATA		Cement FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2" 14#/ft.	Tubing Size	Shots/Ft		150 sacks Econo Bond	(Common)	RATE	PRESS with	ISIP
Depth 3373'	Depth	From	To	.25% Friction Reducer,	.8% FLA-	322		5 Min.
Volume 82.30 bbl.	Volume	From	To	13.67#/Gal., 7.11 gal/s	Min			10 Min.
Max Press 1500 P.S.I.	Max Press	From	To	25 sacks 60/40 Poz for	Avg			15 Min.
Well Connection Plug Cont.	Annulus Vol.	From	To	Flush 81 bbl. 2% HCL	HHP Used			Annulus Pressure
Plug Depth 3330'	Packer Depth	From	To		Gas Volume			Total Load

Customer Representative Rick Popp	Station Manager Dave Austry	Treater Clarence R. Messick
Service Units 119	228	381
576		

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30					Trucks on location and hold safety meeting
11:40			RECEIVED		Discovery Drilling start to run Auto-fill guide shoe, shoe joint with latchdown baffle in top of it. Ran turbolizers on its. # 1,2, 20' upon #3, 4, 10' upon 6, 15' upon 7, 8, 12, 13 Ran 79, 45. total.
1:40			KCC WICHITA		Casing in well. Break circ with rig & circ for 4 min.
2:20	300		5	5	Start 20 bbl. 2% HCL
	}		20	5	Start 10 bbl. Fresh H ₂ O
		30	5	Start 12 bbl. Mud Flush	
		42	5	Start 10 bbl. Fresh H ₂ O	
		300	52	5	Start to mix 150 sacks Econo Bond cement
		94			Stop pumping. Wash pump lines, Release L.D. Plug
3:05	100			7	Start Displacement
3:20	1500		81		Plugdown. P.S.I. up
					Release Pressure & insert held
			4	2	Plug rat hole
			3	2	Plug mouse hole
					wash up pump truck
4:15					Job Complete
					Thanks
					Clarence R. Messick



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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

Bill to: POPP OPERATING P.O. Box 187 Hoisington, KS 67544	7080000	Invoice	Invoice Date	Order	Order Date
		504049	4/14/05	10051	4/8/05
	Service Description				
	Cement				
			Lease	Well	
			Panning	12	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms
	T. Alm	C. Messick	New Well		Net 30
ID.	Description	UOM	Quantity	Unit Price	Price
D200	COMMON	SK	150	\$12.38	\$1,857.00 (T)
D201	A-CON BLEND (COMMON)	SK	150	\$14.77	\$2,215.50 (T)
D203	60/40 POZ (COMMON)	SK	100	\$9.09	\$909.00 (T)
C194	CELLFLAKE	LB	60	\$3.41	\$204.60 (T)
C310	CALCIUM CHLORIDE	LBS	761	\$1.00	\$761.00 (T)
F163	WOODEN CEMENT PLUG, 8 5/8"	EA	1	\$88.90	\$88.90 (T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50	\$3.65	\$182.50
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	50	\$2.15	\$107.50
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	940	\$1.60	\$1,504.00
E107	CEMENT SERVICE CHARGE	SK	400	\$1.50	\$600.00
R202	CASING CEMENT PUMPER, 501-1,000' 1ST. 4 HRS ON LOC.	EA	1	\$924.00	\$924.00
R402	CEMENT PUMPER, ADDITIONAL HRS ON LOCATION	HR	2	\$210.00	\$420.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

Sub Total: \$10,024.00

Discount: \$2,513.50

Discount Sub Total: \$7,510.50

Barton County & State Tax Rate: 6.55% Taxes: \$296.22

(T) Taxable Item

Total: \$7,806.72

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



INVOICE NO.

FIELD ORDER

10051 ✓

Subject to Correction

Date	4-8-05	Lease	Panning	Well #	12	Legal	11-205-11W
Customer ID		County	Barton	State	KS.	Station	Pratt
CHARGE	Popp Operating		Depth	Formation	Shoe Joint		
	Casing	8 5/8" 28#H	Casing Depth	521'	TD	522'	Job Type
	Customer Representative		Tom Alm		Treater	Clarence R. Messick Well	

AFE Number	PO Number	Materials Received by	X Tom Alm by Clarence R. Messick
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-200	150 sk	Common - for 1"	-			
D-201	150 sk	A-CON Blend (common)	-			
D-203	100 sk	60/40 Poz (common)	-			
C-194	60 lb.	Cellflatre	-			
C-310	681 lb.	Calcium Chloride	-			
C-310	80 lb.	Calcium Chloride - for 1"	-			
F-163	1 eq.	Wooden Cement Plug, 8 5/8"	-			
E-100	50 mi.	Heavy Vehicle Mileage	1-way			
E-101	50 mi.	Pickup Mileage	1-way			
E-104	940 tn.	Bulk Delivery				
E-107	400 sk	Cement Service Charge				
R-202	1 eq.	Casing Cement Pumper 50' - 1,000'				
R-402	2 hrs	Cement Pumper, Additional hours on Location				
R-701	1 eq.	Cement Head Rental				
Discounted Price =				\$ 7,510.50		
Plus taxes						

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TREATMENT REPORT



Customer ID		Date	
Customer		4-8-05	
Lease		Lease No.	Well #
Popp Operating			12
Panning		County	State
		Barton	KS.
Field Order #	Station	Casing	Depth
10051	Pratt	8 5/8" 28#/ft.	521'
Type Job		Formation	Legal Description
Cement-Surface-New Well			11-205-11W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		150 skts A-CON Blend (common)	RATE	PRESS	ISIP
8 5/8" 28#/ft.						with 38 C.C. 1/4#/sk. cell fl	
Depth	Depth	From	To	15#/gal, 6.85 gal./sk.	Max		5 Min.
521'							
Volume	Volume	From	To	100 skts 60/40 Poz. (common) with 28 Gal, 38 C.C. 1/4#/sk. C.F.	Min		10 Min.
32.5 bbl.							
Max Press	Max Press	From	To	15#/gal, 5.31 gal./sk.	Avg		15 Min.
175 P.S.I.							
Well Connection	Annulus Vol.	From	To	150 skts Common with 28 C.C. 35.2 gal./sk., 15.6#/gal., 1.18 cu.ft./sk.	MHP Used		Annulus Pressure
Plug Cont.							Total Load
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		
506				31 bbl. Fresh H ₂ O			

Customer Representative	Station Manager	Treater
Tom Alm	Dave Autry	Clarence R. Messick

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:45					Trucks on location and hold safety meeting
12:29					13jts. 28#/ft. new 8 5/8" casing in well.
					Break circulation with rig mud pump.
12:35	150			5	Start 10 bbl. Fresh H ₂ O Pre-Flush
12:37	150		10	5	Start to mix 150 skts. A-CON Cement
12:47	150		48	5	Start to mix 100 skts. 60/40 Poz
12:54			69		Stop pumping. Release plug
12:56	100			5	Start Fresh H ₂ O Displacement
1:05	175		31		Plug down. Did not circulate cement.
1:07					Shut in Head. Wash up pump truck.
5:00			29	1	Mix 150 skts. common with 28 C.C. Pump thru 1" tubing
					Setting 30' below ground level. Did not circulate
5:20					cement. Pull 1" wash up pump truck.
7:30					Tag hard cement at bottom of cellar.
8:00					Job Complete
					RECEIVED
					Thanks
					Clarence R. Messick
					AUG 10
					KCC WICHITA