

RECEIVED
AUG 09 2005
KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed

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. _____
04/02/05 04/06/05 04/23/05
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 009-24,830-00-00
County: Barton
100 W N/2 N/2 SE Sec. 11 Twp. 20 S. R. 11 East West
2310' feet from (S) N (circle one) Line of Section
1420' 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 #: 11
Field Name: Chase-Silica
Producing Formation: Arbuckle
Elevation: Ground: 1756' Kelly Bushing: 1764'
Total Depth: 3380' Plug Back Total Depth: 3322'
Amount of Surface Pipe Set and Cemented at 512' 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 5/8 Mouse 15 5/8 Rat Holes
Drilling Fluid Management Plan A1+1 NCR 8-12-08
(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: 9/20/07

NOTARY PUBLIC - State of Kansas
JANE M. STEINERT
My Appt. Exp. 9/20/07

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

Operator Name: Popp Operating, Inc. Lease Name: Panning Well #: 11
 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Compensated Density/Neutron Prosrity, Dual Induction & Cement Bond Logs	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>502'</td> <td>+1262</td> </tr> <tr> <td>Topeka</td> <td>2615</td> <td>-851</td> </tr> <tr> <td>Heebner</td> <td>2877</td> <td>-1113</td> </tr> <tr> <td>Lansing Gp</td> <td>3024</td> <td>-1260</td> </tr> <tr> <td>Base KC</td> <td>3259</td> <td>-1495</td> </tr> <tr> <td>Arbuckle</td> <td>3276</td> <td>-1512</td> </tr> </table>	Name	Top	Datum	Anhydrite	502'	+1262	Topeka	2615	-851	Heebner	2877	-1113	Lansing Gp	3024	-1260	Base KC	3259	-1495	Arbuckle	3276	-1512
Name	Top	Datum																				
Anhydrite	502'	+1262																				
Topeka	2615	-851																				
Heebner	2877	-1113																				
Lansing Gp	3024	-1260																				
Base KC	3259	-1495																				
Arbuckle	3276	-1512																				

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#	512'	A-Con & 60/40	250	3%cc 1/4#/sx CF
Production	7 7/8"	5 1/2"	14#	3374'	Econ-Bond	1 50	.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	3275-76'	250 GAL 15% MCA	3275-76'

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-7/8"	3318'	A-C 3257'		
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	
	25		300	9%	38	

Disposition of Gas Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

(If vented, Submit ACO-18.) 3275-76'



RECEIVED

AUG 09 2005

ORIGINAL

KCC WICHITA

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
		504015	4/7/05	10153	4/3/05
	Service Description				
	Cement				
			Lease	Well	
			Panning	-11	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms
		K. Gordley	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	\$14.77	\$2,215.50 (T)
D203	60/40 POZ (COMMON)	SK	100	\$9.09	\$909.00 (T)
C310	CALCIUM CHLORIDE	LBS	681	\$1.00	\$681.00 (T)
C194	CELLFLAKE	LB	60	\$3.41	\$204.60 (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	586	\$1.60	\$937.60
E107	CEMENT SERVICE CHARGE	SK	250	\$1.50	\$375.00
R201	CASING CEMENT PUMPER, 301-500' 1ST 4 HRS ON LOC.	EA	1	\$704.00	\$704.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

Sub Total: \$6,655.60

Discount: \$1,686.10

Discount Sub Total: \$4,969.50

Barton County & State Tax Rate: 6.55% Taxes: \$200.47

(T) Taxable Item

Total: \$5,169.97

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		Date	
Customer POPP OPER.		4-3-05	
Lease PANWING	Lease No.	Well # 11	
Field Order # 10153	Station PLAW, KS.	Casing 8 5/8	Depth 512'
Type Job SURFACE - NW	Formation	County BARTON	State KS.
		Legal Description 11-20-11	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing 8 5/8	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth 512'	Depth	From	To	Pre Pad	Max			5 Min.
Volume	Volume	From	To	Pad	Min			10 Min.
Max Press	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 TOM	Station Manager ANDREW	Treater BORDLEY
------------------------------------	-------------------------------	------------------------

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0130					ON LOCATION
					RECEIVED
					AUG 09 2005
					KCC WICHITA
					170 228 347 571
					TRAG BOTTOM - BREAK CORE
					MIX CEMENT
0330	200		65	5	150 SK. A CON
					3% CC, 1/4# 1/2" CELL FIBRE
	100		22	5	100 SK. 60/40 PZ
			87		3% CC, 1/4# 1/2" CELL FIBRE
					STOP - RELEASE FLUID
	0		0	5	START DDISP.
0400	200		31	5	PLUG DOWN
					CORE 25 SK. CEMENT TO PDS
0420					JOB COMPLETE - HEAVE



RECEIVED

AUG 09 2005

100 WICHITA

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

ORIGINAL

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
		504050	4/14/05	10049	4/6/05
	Service Description				
	Cement				
Lease			Well		
Panning			11		
A/E	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	101	\$7.50	\$757.50 (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	407	\$1.60	\$651.20
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: \$8,493.95

Discount: \$2,123.49

Discount Sub Total: \$6,370.46

Barton County & State Tax Rate: 6.55% Taxes: \$258.66

(T) Taxable Item

Total: \$6,629.12

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.
Date 4-6-05
Customer ID

Subject to Correction

FIELD ORDER

10049 ✓

CHARGE

Popp Operating

Lease Panning	Well # 11	Legal 11-205-11W
County Barton	State KS	Station Pratt
Depth	Formation	Shoe Joint 42,80'
Casing 5 1/2" 14#/ft	Casing Depth 3365.34'	TD Rig 3380
Customer Representative Rick Popp	Treater Clarence R. Messich	Job Type Cement-LongString- New Well

AFE Number

PO Number

Materials Received by *X Rick Popp*

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-207	150sk	EconoBond (Common)	-			
D-203	25sk	60/40 Poz (Common)	-			
C-195	101lb.	FLA-322	-			
C-244	32lb.	Cement Friction Reducer	-			
C-141	5 gal.	CC-1	-			
C-302	500gal.	Mud Flush	=			
F-101	10 ea.	Turbolizer, 5 1/2"	-			
F-171	1 ea.	I.R. Latch Down Plug & Baffle, 5 1/2"	-			
F-211	1 ea.	Auto Fill Float Shoe, 5 1/2"	-			
E-100	55 Mi	Heavy Vehicle Mileage	1-way			
E-101	55 Mi.	Pickup Mileage	1-way			
E-104	407 tm.	Bulk Delivery				
E-107	175sk	Cement Service Charge				RECEIVED
R-207	1 ea.	Casing Cement Pumper 300' - 3500'				AUG 09 2005
R-701	1 ea.	Cement Head Rental				KCC WICHITA
R-702	1 ea.	Casing Swivel Rental				
		Discounted Price =		\$ 6,370.46		
		Plus taxes				

TOTAL



ORIGINAL
TREATMENT REPORT

Customer ID		Date	
Customer Popp Operating		4-6-05	
Lease Panning		Lease No.	Well # 11
Field Order # 10049	Station Pratt	Casing 5 1/2" 14 #/ft.	Depth 3365.34'
Type Job Cement-LongString-New Well		County Barton	State KS.
Formation		Legal Description 11-205-11W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2" 14 #/ft.	Tubing Size	Shots/Ft		Cement		RATE	PRESS	ISIP
Depth 3365.34'	Depth	From	To	150 sacks Econobond with .25% Friction Reducer,		Max		5 Min.
Volume 32.11 bbl.	Volume	From	To	.8% FLA-322		Min		10 Min.
Max Press 1200 P.S.I.	Max Press	From	To	13.67#/gal., 7.11 gal./skt.		Avg		15 Min.
Well Connection Plug Cont.	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 322.54	Packer Depth	From	To	Flush 81 bbl. 2% KCL		Gas Volume		Total Load

Customer Representative Rich Popp	Station Manager Dave Autry	Treater Clarence R. Messich
---	--------------------------------------	---------------------------------------

Service Units	119	380	457	381	576
---------------	------------	------------	------------	------------	------------

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00					Truck on location and hold safety meeting
10:10					Discovery Drilling start to run Auto-Fill Guide shoe, shoe joint with latch down baffle in collar, 82 jts 5 1/2" 14 #/ft. new casing
11:50					Casing in well. Circulate for 40 minutes
12:33	300			6	Start 20 bbl. 2% KCL
12:37	300		20	6	Start 10 bbl. Fresh H ₂ O
12:39	300		30	6	Start 12 bbl. Mud Flush
12:41	300		42	6	Start 10 bbl. Fresh H ₂ O
12:44	300		52	6	Start to mix 150 sacks Econobond cement
			94		Stop pumping. Release latch down plug
12:55	100			6	Start Displacement
1:10	1200		81		Plug down. Insert
					Release pressure. Insert held
			5	3	Plug rat hole
			3	3	Plug mouse hole
					Wash up pump truck
2:00					Job Complete
					Thanks
					Clarence R. Messich

RECEIVED
AUG 09 2005

KCC WICHITA