

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

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

API No. 15 - 009-24,728-0000
County: Barton
C N/2 NW SW Sec. 11 Twp. 20 S. R. 11W East West
Release 2310 feet from S / N (circle one) Line of Section
660 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 #: 2
Field Name: Chase Silica
Producing Formation: Arbckle
Elevation: Ground: 1755 Kelly Bushing: 1763
Total Depth: 3370 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 507.31 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.

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Other (Abd.)
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., 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. _____
11/7/01 11/11/01 11/12/01
Spud Date or Date Reached TD Completion or Recompletion Date

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Drilling Fluid Management Plan AKI ECR 3-19-03
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Watering method used Reserve pit monitored but no
free water to be hauled off.
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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: 2-14-02
Subscribed and sworn to before me this 14th day of Feb, 2002.
Notary Public: Jane M. Steinert
Date Commission Expires: 5/20/03

NOTARY PUBLIC - State of Kansas
JANE M. STEINERT
My Appt. Exp. 5/20/03

KCC Office Use ONLY
yes Letter of Confidentiality Attached
If Denied, Yes Date: _____
yes Wireline Log Received
yes Geologist Report Received
____ UIC Distribution

Operator Name: POPP OPERATING, I Lease Name: Panning Well #: 2
 Sec. 11 Twp. 20 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, lime 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 Log Formation (Top), Depth and Datum Sample
 (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:

Dual Induction/Compensation proivity Log
 w/ GR, SP & caliper Cement Bond, Multi-Sensor
 Caliper Log

Name	Top	Datum
Anhydrite	498	+1265
Howard	2516	-753
Heebner	2874	-1111
Lansing Gp	3020	-1257
Arbuckle	3274	-1511

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	507.31	60/40Poz	460	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	3361	50/50Poz	135	2%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		Acid, Fracture, Shot, Cement Squeeze Record		Depth
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		
2	3296-99		250	15% MCA	
2	3274-76	Set CIBP @ 3260	250	15% MCA	
4	3186-96		1500	15% NEFe, 1000	28% NEFe
4	3088-81		500	15% NEFe	2500
4	3078-80				15% NEFe, 900# divt
4	3060-62				
4	3022-27				natural
4	2834-36				natural

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	3254		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.			Producing Method		
1-21-02			<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
	40		35		43

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

METHOD OF COMPLETION Open Hole Part. Dually Comp. Commingled Other (Specify) see above

Production Interval

15.009.24728.0000



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 105 S. Broadway
 Suite #420
 Wichita KS 67202
 (316) 262-3699
 (316) 262-5799 FAX

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 10244 NE Hiway 61
 P.O. Box 8613
 Pratt, KS 67124-8613
 (316) 672-1201
 (316) 672-5383 FAX

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Invoice

Bill to: 7080000
 POPP OPERATING
 P.O. Box 187
 Hoisington, KS 67544

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AFE	CustomerRep	Operator
	Carl Goff	T. Scott

Invoice	Invoice Date	Order	Order Date
111037	11/14/01	4139	11/8/01
Service Description			
Cement			
Lease		Well	
Panning		2	
Well Type	Purchase Order	Terms	
New Well		Net 30	

ID.	Description	UOM	Quantity	Unit Price	Price
D203	60/40 POZ (COMMON)	SK	335	\$7.75	\$2,596.25
C310	CALCIUM CHLORIDE	LBS	947	\$0.75	\$710.25
C195	CELLFLAKE	LB	73	\$1.85	\$135.05
F143	WOODEN CEMENT PLUG, 8 5/8"	EA	1	\$85.00	\$85.00
E107	CEMENT SERVICE CHARGE	SK	460	\$1.50	\$690.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	1017	\$1.25	\$1,271.25
D200	COMMON	SK	125	\$10.25	\$1,281.25
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50	\$3.00	\$150.00
R201	CASING CEMENT PUMPER, 301-500'	EA	1	\$670.00	\$670.00

Sub Total: \$7,589.05
Discount: \$2,277.15
Discount Sub Total: \$5,311.90
Tax Rate: 5.90% **Taxes:** \$0.00
(T) Taxable Item **Total:** \$5,311.90

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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		FIELD ORDER 04139	
Date	11-8-01	Lease	Panning	Well #	2
Customer ID		County	Barton	State	KS
Popp Operating Inc		Depth		Formation	TP = 507
		Casing	8 5/8 2394	Casing Depth	505
		Customer Representative	Carl Coff	Treater	D Scott
		Shoe Joint	13 Requested		
		Job Type	Surface New Well		

CHARGE

AFE Number	PO Number	Materials Received by	X Carl F. Coff
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D203	335ski	60/40 por Common	✓			
C310	867lbs	Calcium Chloride	✓			
C195	73 lb	Cell Flake	✓			
F143	1 eq	Top Wood Plug 8 5/8	✓			
E107	125ski	Cmt Serv Charge lin				
E104	294tm	Bulk Delv perm 50mi				
D200	125ski	Common Cmt	✓			
C310	80lbs	Calcium Chloride	✓			
E107	335ski	Cmt Serv Charge				
E100	1ca	UNITS 1way MILES 50				Release
E104	723tm	TONS 1way MILES 50				MAR 19 2003
R201	1ca	EA. 0-500' PUMP CHARGE				From Confidential
Discounted Price =				5311.90		

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TREATMENT REPORT

04082



Customer ID	Date	
Customer <i>Popp Oper</i>	<i>11-8-01</i>	
Lease <i>Panning</i>	Lease No.	Well # <i>2</i>

Field Order # <i>04139</i>	Station <i>Pratt HS</i>	Casing <i>8 5/8</i>	Depth <i>305</i>	County <i>Barton</i>	State <i>KS</i>
Type Job <i>Surface New Well</i>			Formation	Legal Description <i>11-205-11w</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft		Acid <i>335 sks 60/40p02</i>	RATE	PRESS	ISIP	
Depth <i>492</i>	Depth <i>PBTD</i>	From	To	Pro Pad <i>2% gel 3% CC</i>	Max	<i>1500</i>	5 Min.	
Volume <i>31.4</i>	Volume	From	To	Pad <i>1/4 # Cell Flake</i>	Min		10 Min.	
Max Press <i>1300</i>	Max Press	From	To	Frac <i>125 # 14.5ppg</i>	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	<i>74.5 Bbls 3"</i>	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative <i>Fred Goff</i>	Station Manager <i>Dave Autry</i>	Treater <i>D. Scott</i>
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Service Units	<i>106</i>	<i>23</i>	<i>36</i>	<i>71</i>
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0200</i>					<i>On loc w/ Trk's Safety mtg Csg on Bottom Break Circ.</i>
<i>0243</i>	<i>300</i>		<i>3</i>	<i>6.5</i>	<i>H2O Spacer</i>
<i>0344</i>	<i>300</i>		<i>74.5</i>	<i>6.5</i>	<i>Sp mixing Cmt @ 14.5ppg 335 sks</i>
<i>0356</i>	<i>0</i>				<i>Chose In-Release Plug</i>
<i>0358</i>	<i>100</i>				<i>Sp Disp w/ H2O</i>
<i>0403</i>	<i>300</i>		<i>31.4</i>		<i>Disp In - Chose In manifold</i>
					<i>Circ 0 Bbls Cmt = 0 sks</i>
					<i>Order in Cmt</i>
					<i>Jet cellar no Cmt</i>
					<i>Run line Cmt down 50 ft</i>
					<i>mix-pump 125skis 5# w/ce</i>
					<i>Circ Cmt cellar stayed full ✓</i>
					<i>Pumped Total 450skis Cmt</i>
					<i>Job Complete</i>
					<i>Thank you release</i>
					<i>Scotty</i>

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Bill to:			Invoice	Invoice Date	Order	Order Date
POPP OPERATING P.O. Box 187 Hoisington, KS 67544			111057	11/16/01	4302	11/12/01
Service Description						
Cement						
			Lease		Well	
			Panning		2	
AFE	CustomerRep	Operator	Well Type	Purchase Order	Terms	
	Tom	T. Seba	New Well		Net 30	

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<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	135	\$6.75	\$911.25
D203	60/40 POZ (COMMON)	SK	35	\$7.75	\$271.25
C310	CALCIUM CHLORIDE	LBS	222	\$0.75	\$166.50
C321	CEMENT GEL	LB	222	\$0.25	\$55.50
C196	FLA-322	LB	56	\$7.25	\$406.00
C243	DEFOAMER	LB	12	\$3.00	\$36.00
C322	GILSONITE	LB	786	\$0.55	\$432.30
C311	CAL SET	LBS	663	\$0.56	\$371.28
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00
C141	CC-1, KCL SUBSTITUTE	GAL	2	\$40.00	\$80.00
F101	CENTRALIZER, 5 1/2"	EA	8	\$71.00	\$568.00
F131	TOP RUBBER CEMENT PLUG, 5 1/2"	EA	1	\$70.00	\$70.00
F161	GUIDE SHOE-REGULAR, 5 1/2"	EA	1	\$185.00	\$185.00
F201	FLAPPER TYPE INSERT FLOAT VALVES, 5 1/2"	EA	1	\$165.00	\$165.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00
R702	CASING SWIVEL RENTAL	EA	1	\$125.00	\$125.00
E107	CEMENT SERVICE CHARGE	SK	170	\$1.50	\$255.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50	\$3.00	\$150.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	365	\$1.25	\$456.25
R207	CASING CEMENT PUMPER, 1000-1500'	EA	1	\$1,520.00	\$1,520.00

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Sub Total: \$6,849.33

Discount: \$2,054.80

Discount Sub Total: \$4,794.53

Tax Rate: 5.90%

Taxes: \$0.00

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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P.O. Box 8613
Pratt, KS 67124-8613
(316) 672-1201
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(T) Taxable Item

Total: \$4,794.53

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INVOICE NO.
Date 11-12-01
Customer ID

Subject to Correction

FIELD ORDER 4302

CHARGE

RPP OPERATING INC.

Lease PANNING	Well # 2	Legal 11-205-11W
County BAKTON	State Ks	Station PRATT
Depth	Formation	Shoe Joint 36" 41 ISPV
Casing 5 1/2	Casing Depth 3324.79	TD 3370'
Customer Representative		Job Type NEW WELL 5 1/2 LONG STRING
		Treater T-589A

AFE Number	PO Number
------------	-----------

Materials Received by **X Tom Al**

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-204	135 SKS	50/50 Pz Common	✓			
D-203	35 SKS	60/40 Pz Common	✓			
C-210	222 lbs	Calcium Chloride	✓			
C-321	222 lbs	CEMENT GAL	✓			
C-196	50 lbs	PLA-322	✓			
C-243	12 lbs	Defoamer	✓			
C-322	786 lbs	GELSONITE	✓			
C-311	663 lbs	Cal set	✓			
C-362	500 GAL	MUD flush	✓			
C-141	2 GAL	CC-1	✓			
F-101	8 EA	Turbolizer 5 1/2	✓			
F-131	1 EA	TOP Rubber Plug 11	✓			
F-161	1 EA	GUIDE SHOE REG 11	✓			
F-201	1 EA	ISPV FLAPPER Type 11	✓			
R-701	1 EA	CEMENT HEAD RENTAL				
R-702	1 EA	CASING SWAB RENTAL				
E-107	170 SKS	CEMENT SERU Charge				
				RECEIVED		
				NSA CORPORATION COMMISSION		
				FEB 19 2002		
				CONSERVATION DIVISION		
E-100	50 MF	UNITS <i>lumpy</i> MLES 50				Release
E-104	365 TM	TONS MLES				MAR 19 2003
R-207	1 EA	EA. PUMP CHARGE				From Confidential
DISCOUNTED Prices + TAXES				4,794.53		

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TREATMENT REPORT

04118



Customer ID	Date	
Customer PSP OPERATING INC.	11-12-01	
Lease PANNING	Lease No.	Well # 2

Field Order # 4352	Station PRATT	Casing 5 1/2	Depth 3324.79	County BARTON	State Ks
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Type Job 5 1/2 LONGSTRING NEW WELL	Formation	Legal Description 11-205-11w
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PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft	KCL 20% 24-12-12	Acid 135 SKS 50/50 Pz	RATE	PRESS	ISIP	
Depth 3324.79	Depth	From	Mud flush To 2 1/2	Pip. Pack 13.7#/GAL 1.54 FT 3	Max		5 Min.	
Volume	Volume	From	To	35 SKS 60/40 Pz	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	Flush 24-12	Gas Volume		Annulus Pressure	
Plug Depth	Packer Depth	From	To				Total Load	

Customer Representative	Station Manager D. AUKRY	Treater SEBA
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Service Units	108	23	30	70
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00					Called out
1:45					onloc w/ret's
					Run 79 DT's 5 1/2 14" CSG
					ISPV: Gumbo Shots 15: 36.41
					Cost on DT's 1-2-4-5-7-8-12-13
5:30					CSG on Bottom Deep Ball
5:50					Hook up to CSG Break circ w/leg
6:50	200		24	6	START Preflushes
			12		KCL 20%
			6		Mud flush
					H ₂ O SPACK
7:00	200		31		START max conc 13.7#/gal
					FINISH 00 ml
					Shut down Choke Pump & LINES
					RELEASE PLG
7:10	200		7		START DISP
	500		70	5	LIFT CURT
	1200		51	3	PLUG DEVS
7:22					RELEASE HOLD
7:30			8	1	PLUG RI M HOLES 35 SKS 60/40 Pz
					JOB 3 COMPLETE THANKS GOOD

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