

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Release
Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

MAR 19 2003

Operator: License # 32325
Name: POPP OPERATING, INC.
Address: P.O. Box 187
City/State/Zip: Hoisington, KS 67544

API No. 15 - 009-24,723-0000
County: Barton
CN/2 NE SE Sec. 11 Twp. 20 S. R. 11W East West
2310 feet from (S) / N (circle one) Line of Section
825 feet from (E) / W (circle one) Line of Section

Purchaser: _____
Operator Contact Person: Rick Popp
Phone: (620.) 786-5514
Contractor: Name: Discovery Drilling Co., Inc.
License: 31548

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Panning Well #: 1
Field Name: Chase Silica

Wellsite Geologist: Bob Stolzle

Producing Formation: _____
Elevation: Ground: 1757 Kelly Bushing: 1765

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

Total Depth: 3550 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 504.94 Feet

If Workover/Re-entry: Old Well Info as follows:

Multipple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cml.

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original To: _____

Drilling Fluid Management Plan AKI ECL 3.19.03
(Data must be collected from the Reserve Pit)

Deepening Re-perf. Plug Back Commingled Dual Completion Other (SWD or Enhr.?)
Docket No. _____
Docket No. _____
Docket No. _____

Chloride content 23,000 ppm Fluid volume 400 bbls
Dewatering method used Hauled free fluid

10/29/01 11/4/01 11/5/01
Spud Date or Date Reached TD Completion Date or Recompletion Date

Location of fluid disposal if hauled offsite: _____
Operator Name: Tengasco, Inc.
Lease Name: Weiss #2 SWD License No.: 32278
Quarter _____ Sec. 11 Twp. 19 S. R. 12 East West
County: Barton Docket No.: D-26,542

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FEB 15 2002

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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

X

Operator Name: POPP OPERATING, C. Lease Name: Panning Well #: 1
 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, 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 Log Formation (Top), Depth and Datum Sample
 (Attach Additional Sheets)

Name	Top	Datum
Anhydrioe	498	+1267
Howard	2515	-750
Heebner	2878	-1113
Blansing Gp	3028	-1261
Arbuckle	3281	-1516

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 Proximity Log
 w/ GR, SP & Caliper Cement Bond Log

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 Used	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Pipe	12 1/4	8 5/8	3023	504.94	60/40Poz	335	2%Gel&3%CC
Production Str.	7 7/8	5 1/2	3023	3375	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	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
2	3291-93 & 3293-95		250 15% MCA, 500 15% NEFe. 500 1000 28% Ret.	15% NEFe
4	3259-62 & 3245-48		2500 15% NEFe w/ 300# Diverter	
4	3202-06		1000 15% NEFe	
4	3096-98		500 15% NEFe	
4	2830-36		1500 15% NEFE	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	3321		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
1-24-02		<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
	6		40		43

Disposition of Gas: Ventd Gokl Used on Lease (If vented, Sumit ACO-18.)

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

Production Interval: _____



15.009.24723.0000

COPY

SALES OFFICE:
 105 S. Broadway
 Suite #420
 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
 (316) 672-1201
 (316) 672-5383 FAX

ACIDIZING - FRACTURING - CEMENTING

Invoice

Bill to: POPP OPERATING P.O. Box 187 Hoisington, KS 67544	7080000	Invoice	Invoice Date	Order	Order Date
		110119	10/31/01	4210	10/30/01
	Service Description				
	Cement				
			Lease	Well	
			Panning	1	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms
	Carl Goff	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>
D203	60/40 POZ (COMMON)	SK	335	\$7.75	\$2,596.25
C310	CALCIUM CHLORIDE	LBS	867	\$0.75	\$650.25
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	335	\$1.50	\$502.50
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50	\$3.00	\$150.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	723	\$1.25	\$903.75
R201	CASING CEMENT PUMPER, 301-500'	EA	1	\$670.00	\$670.00

Sub Total: \$5,692.80

Discount: \$1,708.28

Discount Sub Total: \$3,984.52

Tax Rate: 5.90% **Taxes:** \$0.00

(T) Taxable Item **Total:** \$3,984.52

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KCC SK
 FEB 15 2002

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 MAR 19 2003
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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.

TREATMENT REPORT 03955



Customer ID		Date	
Customer POPP OPER. INC.		10-30-01	
Lease PIANNSWB		Lease No.	Well # 1
Field Order # 4210	Station PRATT, KS.	Casing 8 5/8	Depth 504'
County BLAFTON		State KS.	
Type Job SURFACE - NEW WELL		Formation TD-505'	Legal Description

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Fluid	RATE	PRESS	ISIP	
Depth 504'	Depth	From	To	335 SK. 60% POZ	Max	Release	5 Min.	
Volume	Volume	From	To	2% GEL, 3% CC.	Min	MAR 19 2003	10 Min.	
Max Press	Max Press	From	To	1/4" #8 CELLULOSE	Avg	From	15 Min.	
Well Connection	Annulus Vol.	From	To	Frac	HHP Use	Confidential	Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager D. ANTRA	Treater K. GORDLEY
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Service Units	107	26	36	72
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0430					ON LOCATION
					RECEIVED KCC
					FEB 19 2002 FEB 15 2002
					KCC WICHITA CONFIDENTIAL BREAK CORE
0645	200		0	6	START MIX CEMENT
					335 SK. 60% POZ CEMENT
					2% GEL, 3% CC, 1/4" #8 CELLULOSE
	150		74	6	FINISH MIX CEMENT
					SHUT DOWN - RELEASE PLUG
	0		0	6	START DISP
0715	200		31	2	PLUG DOWN
	200				SHUT IN CEMENT HEAD
					✓ CERT. 20SK. CEMENT TO PRT
0745					JOB COMPLETE
					THANKS - REVIEW



15.009.24723.0000

COPY

Release

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

MAR 19 2003

From
Confidential

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

ACIDIZING · FRACTURING · CEMENTING

KCC Invoice

Bill to:		FEB 15 2002	080000	Invoice	Invoice Date	Order	Order Date
POPP OPERATING P.O. Box 187 Hoisington, KS 67544		CONFIDENTIAL		111019	11/8/01	4137	11/5/01
		KCC		Service Description			
		FEB 15 2002		Cement			
				Lease		Well	
				Panning		1	
AFE	CustomerRep	Treater		Well Type	Purchase Order	Terms	
	Tom Alm	D. Scott		New Well		Net 30	

ID.	Description	UOM	Quantity	Unit Price	Price
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	227	\$0.75	\$170.25
C321	CEMENT GEL	LB	227	\$0.25	\$56.75
C196	FLA-322	LB	57	\$7.25	\$413.25
C243	DEFOAMER	LB	12	\$3.00	\$36.00
C322	GILSONITE	LB	800	\$0.55	\$440.00
C311	CAL SET	LBS	675	\$0.56	\$378.00
C141	CC-1, KCL SUBSTITUTE	GAL	2	\$40.00	\$80.00
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00
F101	CENTRALIZER, 5 1/2"	EA	6	\$71.00	\$426.00
F111	BASKET, 5 1/2"	EA	1	\$205.00	\$205.00
F151	LATCH DOWN PLUG & BAFFLE, 5 1/2"	EA	1	\$250.00	\$250.00
F231	CEMENTING SHOE PACKER TYPE, 5 1/2"	EA	1	\$2,828.00	\$2,828.00
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	362	\$1.25	\$452.50
R207	CASING CEMENT PUMPER, 30001-3500'	EA	1	\$1,520.00	\$1,520.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

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Sub Total: \$9,468.25

Discount: \$3,088.97

Discount Sub Total: \$6,379.28

Tax Rate: 5.90% **Taxes:** \$0.00

Total: \$6,379.28

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 04079



Customer ID	Date				
Customer	11-6-01				
Lease	Lease No.	Well #			
Panning		1			
Field Order #	Station	Casing	Depth	County	State
04137	Pratt KS	5 1/2	3374	Barton	KS

Type Job	Formation	Legal Description
Long String New Well		11-20s-1lw

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
5 1/2				135sk 1:1 Poz				
Depth	Depth	From	To	Pro Pad	Max			5 Min.
3339	PBTD			15% FLA-322		8500		
Volume	Volume	From	To	Pad	Min			10 Min.
81.4				1% Deboamer 2% O				
Max Press	Max Press	From	To	Frac	Avg			15 Min.
				1.55 #3 13.8 ppg				
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
				35sk 60/40 poz				
Plug Depth	Packoff Depth	From	To	Flush	Gas Volume			Total Load
		13		37.2 Bbls 3L				

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

Service Units	106	23	36	71
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2400	KCC		RECEIVED		On Loc w/Trks Safety Mtg
			FEB 19 2002		PKR Shoe Bottom S. J. Bottle Top
			FEB 15 2002		Basket on S. J. Cent 1-2-3-4-11-12
	CONFIDENTIAL		KCC WICHITA		Log on Bottom Drop Ball & Set PKK
					Cine 1 hr w/Rig
0420	300		24	6	St 2% K.C. flush
0424	300		12	6	St mud flush
0426	300		5	6	H ₂ O Spacer
0432	350		37.2	7.1	St mixing Cmt @ 13.8 ppg 135sk
0437	0			0	finish mixing
0438			10	5	Chose In a Wash Pump & line
0440	100			7.5	Release Plug & St Disp w/H ₂ O
0447	400		55	9.0	lifting Cmt 55 bbls cur
0450	1300		81.4	0	Plug Down & psi Test Csg
0452	0				Release Hold
					Chart didnt work
			Release		
			MAR 19 2003		Plug B.H. & M. H. & W.W. w/35sk 60/40
			From		
			Confidential		Job complete
					Thank you Scott