

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32325  
Name: POPP OPERATING, INC  
Address 1: PO BOX 187  
Address 2: \_\_\_\_\_  
City: HOISINGTON State: KS Zip: 67544 + 0187  
Contact Person: RICKEY POPP  
Phone: (620) 786-5514  
CONTRACTOR: License # 31548  
Name: DISCOVERY DRILLING CO., INC.  
Wellsite Geologist: JASON ALM  
Purchaser: NCRA

Designate Type of Completion:

- New Well  Re-Entry  Workover
- Oil  WSW  SWD  SLOW  
 Gas  D&A  ENHR  SIGW  
 OG  GSW  Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic  Other (Cora, 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  Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_  
 Commingled Permit #: \_\_\_\_\_  
 Dual Completion Permit #: \_\_\_\_\_  
 SWD Permit #: \_\_\_\_\_  
 ENHR Permit #: \_\_\_\_\_  
 GSW Permit #: \_\_\_\_\_

9/07/2011	9/11/2011	9/23/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 167-23,735-00-00  
Spot Description: \_\_\_\_\_  
E/2 SW NW SW Sec. 32 Twp. 15 S. R. 13  East  West  
1,650 Feet from  North /  South Line of Section  
480 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: RUSSELL  
Lease Name: MICHAELIS Well #: 4  
Field Name: TRAPP  
Producing Formation: ARBUCKLE  
Elevation: Ground: 1902 Kelly Bushing: 1910  
Total Depth: 3420 Plug Back Total Depth: 3367  
Amount of Surface Pipe Set and Cemented at: 877 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.

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

Chloride content: 16,000 ppm Fluid volume: 240 bbls  
Dewatering method used: HAULED FREE FLUIDS  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: POPP OPERATING, INC  
Lease Name: BOOMHOWER "A" #1 SWD License #: 32325  
Quarter NW Sec. 32 Twp. 15 S. R. 13  East  West  
County: RUSSELL Permit #: D-28,918

RECEIVED  
NOV 10 2011

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2000, 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.

KCC-MICHITA

AFFIDAVIT

I am the affiant and I hereby certify that 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: 11/07/2011

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Dlg Date: 11/14/11

Operator Name: POPP OPERATING, INC Lease Name: MICHAELIS Well #: 4  
 Sec. 32 Twp. 15 S. R. 13  East  West County: RUSSELL

**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 complete copy of all Electric Wire-line 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

Electric Log Submitted Electronically  Yes  No  
*(If no. Submit Copy)*

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
ANHYDRITE	872'	+1038
HOWARD	2712'	-802
PLATTSMOUTH	2934'	-1024
HEEBNER	3018'	-1108
DOUGLAS	3050'	-1140
L-KC	3089'	-1179
ARBUCKLE	3337'	-1427

List All E. Logs Run:  
**COMPENSATED NEUTRON/DENSITY, DUAL  
 INDUCTION, MICRO & CBL LOGS**

**CASING RECORD**  New  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	877	COMMON	320	2%GEL/3%CC
PRODUCTION	7-7/8"	5-1/2"	14	3412	ECONOBOND	35	

**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	3337-38'	150 GAL 7-1/2% MCA	3337-38'

TUBING RECORD: Size: 2-7/8" Set At: 3363' Packer At: NONE Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. 9/30/2011 Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours: Oil 20 Bbls. Gas NONE Mcf Water 45 Bbls. Gas-Oil Ratio 30 Gravity 39

DISPOSITION OF GAS:  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 3337-38  
*(If vented, Submit ACO-18.)*  Other (Specify) \_\_\_\_\_ *(Submit ACO-5)* *(Submit ACO-4)*

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5294

Date	9/8/11	Sec.	32	Twp.	15	Range	13	County	Russell	State	KS	On Location	Finish	12:15 PM						
Lease	MICHAELIS			Well No.	4			Location	Russell, Sto County Line, SE 1/4 N, E 1/2 W											
Contractor	Discovery Drilling Rig #2							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Type Job	Surface							Charge To	Popp Operating											
Hole Size	12 1/4"			T.D.	877'			Street												
Csg.	8 5/8" 23#			Depth	877'			City	State											
Tbg. Size								Depth												
Tool								City	State											
Cement Left in Csg.	38'			Shoe Joint	38'			The above was done to satisfaction and supervision of owner agent or contractor.												
Meas Line				Displace	53 1/2 Bbls.			Cement Amount Ordered	320sx Com 3% CL 2% ga											
<b>EQUIPMENT</b>																				
Pumptrk	9	No.	Cement Helper	Paw				Common	320											
Bulktrk	13	No.	Driver	Must				Poz. Mix												
Bulktrk	PU	No.	Driver	Driver				Gel.	6											
<b>JOB SERVICES &amp; REMARKS</b>																				
Remarks:								Calcium	11											
Rat Hole								Hulls												
Mouse Hole								Salt												
Centralizers								Flowseal												
Baskets								Kol-Seal												
D/V or Port Collar								Mud CLR 48												
Est. Circ.								CFL-117 or CD110 CAF 38												
Mix 320EX								Sand												
Displace								Handling	337											
Land Plug								Mileage	8 5/8"											
Cement Circulated								<b>FLOAT EQUIPMENT</b>												
<div style="font-size: 2em; font-weight: bold; transform: rotate(-15deg);">Thank You!!</div>													Guide Shoe	<b>RECEIVED</b>						
													Centralizer	NOV 10 2011						
													Baskets	<b>KCC WICHITA</b>						
													AFU Inserts							
													Float Shoe							
													Latch Down							
														Baffle Plate + Rubber Plug						
														Head + Manifold						
													Pumptrk Charge	Surface						
													Mileage	16						
Tax																				
Discount																				
Total Charge																				
X Signature <i>Tom Wheel</i>																				

Customer POPP Operations, Inc	Lease No.	Date 9-11-11
Lease Michuells	Well # 4	
Field Order # 04499A	Station Pratt	Casing 5 1/2"
		Depth 3412'
Type Job 5 1/2" Long String	Formation Crown LTA 341X	County Russell
		State KS
		Legal Description 32-15-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUMES RECEIVED		
Casing Size 5 1/2"	Tubing Size	Shots/Ft		Acid 20% KCL	RATE	PRESS	ISIP	
Depth 3412'	Depth	From	To	Pre Pad 31% mud flush	Max		5 Min.	NOV 10 2011
Volume 200 DSI	Volume	From	To	Pad 15% H <sub>2</sub> O spacer	Min		10 Min.	KEE WICHITA
Max Press 1500'	Max Press	From	To	Frac 20% Econo Bond @ 13.8"	Avg		15 Min.	
Well Connection PK	Annulus Vol.	From	To	RH w/ 30 SKs 6-17 1/2" P/L	HHP Used	M 1- w/	Annulus Pressure	
Plug Depth 5369'	Packer Depth	From	To	Flush 20% KCL	Gas Volume		Total Load	

Customer Representative Rich Poppe	Station Manager Scotty	Treater Allen
---------------------------------------	---------------------------	------------------

Service Units	28443	35700	20922	19851	19862				
Driver Names	Allen	Joe	Nelson	JK	Hunter				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:30 PM					on loc. Drilling Subst. set in place 1.6 Lay down Kelly & inner hole Rise up to run 5 1/2" casing 14'
4:27					Start 5 1/2" casing string 42.82 w/ fluid slug L.D. 30 SKs cont. 1-2-5-67 Tag bottom @ 3418' pull to 3412' circ. & rotate 2' in circulation
12:15 AM 9-12-11			20	5	Pump 20 Bbls KCL 2%
	2000'		12	5	Pump 12 Bbls mud flush
			3	5	Pump 3 Bbls H <sub>2</sub> O spacer
				5	mix & pump 150 SKs Econo bond @ 13.8"
			39 1/2		Finish mix washout fluid line
12:30 AM 9-12-11				6	Drop L.D. Plug Start KCL Diss. 2%
	5000'			5	circulate 1.44 PSI. 20 Bbls out
	1500'		82	4	Plug down Response PSI. OK.
					Plug RH w/ 30 SKs 6/40 P/L, M.H. w/ 20 SKs 60/40 wash out Econo Bond Backup.
2:00					Job complete Thanks Allen Joe, JK.