

RECEIVED  
AUG 30 2010 ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

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: HOIANGTON 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     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, 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 #: \_\_\_\_\_  
6/30/2010    7/4/2010    7/21/2010  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 167-23,650-00-00  
Spot Description: 150' S  
52 NE SE SE \_\_\_\_\_ Sec. 35 Twp. 15 S. R. 14  East  West  
840 Feet from  North /  South Line of Section  
330 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: RUSSELL  
Lease Name: BATT Well #: 4  
Field Name: TRAPP  
Producing Formation: L/KC & PLATTSMOUTH  
Elevation: Ground: 1895' Kelly Bushing: 1903'  
Total Depth: 3395' Plug Back Total Depth: 3349'  
Amount of Surface Pipe Set and Cemented at: 885 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: HAUL OFF/EVAPORATION  
Location of fluid disposal if hauled offsite:  
Operator Name: POPP OPERATING, INC  
Lease Name: MICHAELIS "A" License #: 32325  
Quarter SE Sec. 36 Twp. 15 S. R. 14  East  West  
County: RUSSELL Permit #: D-28,748

**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.

**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: 8/26/2010

**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: 9/2/10

Operator Name: POPP OPERATING, INC Lease Name: BATT Well #: 4  
 Sec. 35 Twp. 15 S. R. 14  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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ANHYDRITE	872'	+1031
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOPEKA	2792'	-889
Electric Log Submitted Electronically (If no, Submit Copy)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PLATTSMOUTH	2943'	-1040
List All E. Logs Run:		HEEBNER	3023'	-1120
<b>COMPENSATED DENSITY/NEUTRON, DUAL INDUCTION, MICRO &amp; CEMENT BOND LOGS</b>		DOUGLAS	3054'	-1151
		L/KC	3090'	-1187
		ARBUCKLE	3317'	-1414

CASING RECORD <input type="checkbox"/> New <input checked="" 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#	885'	COMMON	300 SX	2%GEL&3%CC
PRODUCTION CSG	7-7/8"	5-1/2"	14#	3394'	ECONOBOND	150 SX	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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	3320-21' CIBP @ 3300'	150 GAL 7-1/2% MCA/250 GAL 7-1/2% NE/FE/SOAP	
4	3260-62'	750 GAL 15% MCA	
4	3194'-3200', 3182-90', 3174-76'/ 3120-24', 3110-12'	2500 GAL 28% MCA/ 1750 GAL 28% MCA	
4	2984-94', 2972-80'	2500 GAL 28% MCA	

TUBING RECORD:	Size: <u>2-7/8"</u>	Set At: <u>3294'</u>	Packer At: <u>NONE</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>7/23/10</u>	Producing Method: <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. <u>6</u>	Gas Mcf	Water Bbls. <u>130</u>	Gas-Oil Ratio <u>38</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3260'-2972'</u>
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# QUALITY OILWELL CEMENTING, INC.

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

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

No. 4108

Date	7-1-10	Sec.	35	Twp.	15	Range	14	County	Russell	State	Kansas	On Location		Finish	8:15 AM
Lease	Bett.	Well No.	4		Location		Russell 13.5 $\frac{1}{2}$ E $\frac{1}{2}$ S								
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		Pops Operating								
Hole Size	12 1/4		T.D.		885		Street								
Csg.	8 3/8 23 1/2		Depth												
Tbg. Size			Depth												
Tool	Ballie Plate		Depth		City		State								
Cement Left in Csg.	26		Shoe Joint		26		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		54 7/8 Bbl		Cement Amount Ordered		320 Com 3000 2600						

**EQUIPMENT**

Pumptrk	5	No.	Cementer	Steve	3	Common	320
			Helper				
Bulktrk	10	No.	Driver	Brandon	3	Poz. Mix	
			Driver				
Bulktrk		No.	Driver	Liso	3	Gel.	6
			Driver				

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38

*Cement did Circulate*

Sand		RECEIVED
Handling	337	AUG 3 0 2010
Mileage		

**FLOAT EQUIPMENT**

**KCC WICHITA**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1 Rubber Plug
	1 Ballie Plate
Pumptrk Charge	Long Surface
Mileage	15

*Thank You*  
*Jules Gaudin*

Tax	
Discount	
Total Charge	

X Signature *Jules Gaudin*

Customer <i>Popp Operating</i>	Lease No.	Date <i>7-5-10</i>
Lease <i>BATH</i>	Well # <i>4</i>	
Field Order # <i>17181990A</i>	Station <i>Pratt</i>	Casing <i>5/2"</i>
Type Job <i>5/2" L.S.</i>	Formation <i>CNW</i>	Depth <i>3394</i>
		County <i>Russell</i>
		State <i>Ks</i>
		Legal Description <i>35-15-14</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5/2"</i>	Tubing Size	Shots/Ft	<i>150 SKS Econo Bond @ 13.8 #</i>	Acid	RATE	PRESS	ISIP	
Depth <i>3394</i>	Depth	From	To <i>20 BBL</i>	Br Pad	Max		5 Min.	
Volume <i>81 3/4 BBL</i>	Volume	From	To <i>12 BBL</i>	Pad	Min		10 Min.	
Max Press <i>1500 #</i>	Max Press	From	To <i>50 SK</i>	Frac	Avg		15 Min.	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>3352</i>	Packer Depth	From	To	Flush <i>Disp w/ 2% KCL</i>	Gas Volume		Total Load	

Customer Representative <i>Rick Popp</i>	Station Manager <i>Scotty</i>	Treater <i>Allen F. Werth</i>
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Service Units <i>28443 27463 19831 19862</i>									
Driver Names <i>P. Werth C. Veach E. Edmundo</i>									

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1145 PM 7-4-10</i>					<i>ON Loc. Discuss Safety Setup Plans &amp; Rig Laying down Drill Pipe.</i>
<i>130 AM</i>					<b>RECEIVED</b>
<i>230</i>					<b>AUG 30 2010</b>
					<b>KCC WICHITA</b>
					<i>cent. 1-2-3-6-7</i>
<i>400</i>					<i>Tag Bottom @ 3396 - set @ 3394</i>
	<i>200 #</i>		<i>20</i>	<i>5</i>	<i>Hookup &amp; CIA &amp; Rotate w/ Rig.</i>
			<i>12</i>	<i>5</i>	<i>Start 20 BBLs 2% KCL</i>
			<i>3</i>	<i>5</i>	<i>Pump 12 BBLs mud flush</i>
					<i>Pump 3 BBLs H<sub>2</sub>O spacer</i>
			<i>41</i>		<i>Mix &amp; Pump 150 SKS Econo Bond @ 13</i>
					<i>Finish mix - washout Pump Line</i>
			<i>16</i>		<i>Drop L.D. Plug &amp; Start Disp.</i>
	<i>400 #</i>			<i>5</i>	<i>caught Lift PSI @ 56 BBL out</i>
<i>530</i>	<i>1500</i>		<i>81.7</i>	<i>4</i>	<i>Plug down</i>
	<i>0 #</i>				<i>Release PSI - 0 #</i>
			<i>7</i>	<i>2</i>	<i>Plug R.H. w/ 30 SKS 60/40 Poz</i>
			<i>5</i>	<i>2</i>	<i>Plug M.N. w/ 20 SKS 60/40 Poz.</i>
					<i>washup &amp; Ract up.</i>
					<i>Job complete!</i>
<i>630</i>					<i>Thanks Allen, Chris, Edmundo</i>