

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 31560

Name: MAXWELL OPERATING, INC.

Address P.O. Box 1213

City/State/Zip Hays, KS 67601-1213

Purchaser: Cooperative Refining, LLC

Operator Contact Person: Brian Karlin

Phone (785) 628-6783

Contractor: Name: Discovery Drilling Co., Inc.

License: 31548

Wellsite Geologist: Ronnie Nelson

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  S10W  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

1/31/2000 2/7/2000 2/8/2000  
Spud Date Date Reached TD Completion Date

API No. 15- 009-24,665-0000

County Barton ORIGINAL

SE - NE - SE Sec. 10 Twp. 16S Rge. 12W X <sup>E</sup>

1650 Feet from (S) H (circle one) Line of Section

330 Feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, (SE), NW or SW (circle one)

Lease Name Cox Well # 2

Field Name Beaver

Producing Formation L/KC and Toronto

Elevation: Ground 1901 KB 1909

Total Depth 3395 PBTD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 388.47 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 cnt.

Drilling Fluid Management Plan AH-1, P-3-00 O.C.  
(Data must be collected from the Reserve Pit)

Chloride content 14,000 ppm Fluid volume 400 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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 Brian Karlin

Title Operations Manager Date 6-26-00

Subscribed and sworn to before me this 26 day of June, 2000.

Notary Public Michelle R. Worth

Date Commission Expires 5-06-03

Michelle R. Worth  
NOTARY PUBLIC  
STATE OF KANSAS  
My Exp. 5-06-03

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
  
Distribution  
\_\_\_\_ KCC \_\_\_\_\_ SWD/Rep \_\_\_\_\_ NGPA  
\_\_\_\_ KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other  
(Specify)

Operator Name MAXWELL OPERATING, INC. Lease Name Cox Well # 2

Sec. 10 Twp. 16S Rge. 12W  East  West County Barton

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input 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	Topeka Lm.	2684- 775	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner Sh.	2969-1060	
List All E.Logs Run:		Toronto Lm.	2987-1078	
Compensated Neutron Density (ELI)		Brown Lm.	3061-1152	
Dual Induction (ELI)		Lansing/Kansas City	3076-1167	
Micro Log (ELI)		Base KC	3329-1420	
Gamma Correlation Bond (LK)		Arbuckle	3374-1465	

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	25	388.47	60/40Poz	210	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	3393	ASC	175	

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
	2	3254-59		250 gal 15% NE	
2	3217-19			500 gal 15% NE	
2	3106-10		500 gal 15% NE		
2	2992-95		250 gal 15% NE		

TUBING RECORD Size 2-7/8 Set At 3360 Packer At none Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 3-15-00 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 8 Bbls. Gas none Mcf Water 50 Bbls. Gas-Oil Ratio 34 Gravity 34

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-1B.) METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_ Production Interval 2992-3259

ORIGINAL

**MAXWELL OPERATING CO., INC.**  
**P.O. Box 1213**  
**Hays, Kansas 67601**

Cox #2  
SE-NE-SE  
10-16S-12W  
Barton County, Kansas

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- DST #1:** 2903-44 (60-45-60-45)  
112' gas in pipe, 10' mud with a show free oil on top, 120' mud with oil spots thru out. (Note: packer sled down hole 12' during test).  
BHP: 703-678#  
IFP: 38-56#  
FFP: 65-74#  
HP: 1369-1361#
- DST #2:** 2963-3000 (30-45-30-60)  
120' gas in pipe, 15' mud.  
BHP: 110-122#  
IFP: 14-15#  
FFP: 16-19#  
HP: 1400-1389#
- DST #3:** 3080-3116 (45-60-45-60)  
806' gas in pipe, 120' heavy oil cut mud (40% oil, 60% mud).  
BHP: 408-419#  
IFP: 22-37#  
FFP: 43-58#  
HP: 1485-1433#
- DST #4:** 3206-66 (30-45-60-60)  
90' oil cut mud (10% oil, 90% mud).  
BHP: 847-829#  
IFP: 16-32#  
FFP: 39-60#  
HP: 1522-1508#

# ALLIED CEMENTING CO., INC. 1292

Federal Tax I.D. # 48-0727860

ORIGINAL

REMIT TO: P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Hot Bend

DATE <u>2-8-00</u>	SEC. <u>10</u>	TWP. <u>16</u>	RANGE <u>12</u>	CALLED OUT <u>3:45 AM</u>	ON LOCATION <u>6:00 AM</u>	JOB START <u>8:30 AM</u>	JOB FINISH <u>10:15 AM</u>
LEASE <u>COX</u>	WELL # <u>2</u>	LOCATION <u>Berman 2N-2E-14W W/S</u>			COUNTY <u>Butler</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Discovery Hdy  
 TYPE OF JOB Production  
 HOLE SIZE 7 7/8" T.D. 3395'  
 CASING SIZE 5 1/2" inner 14" DEPTH 3392'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 1000# MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 23.60'  
 CEMENT LEFT IN CSG 23.60'  
 PERFS \_\_\_\_\_  
 DISPLACEMENT 82 1/2 bbls

OWNER Same  
 CEMENT  
 AMOUNT ORDERED 175 gal ASC 10% salt  
270 gal  
500 gal ASF  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Tom D  
 # 181 HELPER Bob D  
 BULK TRUCK  
 # 344 DRIVER Rich W  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Ran 3392 of 5 1/2" casing. Bore circulation.  
Circulated for 1 hour pumped 500 gal ASF  
followed by 150 gal ASC 10% salt 270 gal  
worked some clean of cement. Released plug  
displaced with fluid H<sub>2</sub>O. Landed plug  
at 1000'. Released a float. Hold.  
Plugged both 4 1/2" side - Mainhole. Works

**SERVICE**

DEPTH OF JOB 3392'  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 PLUG 5 1/2" Rubber @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

CHARGE TO: Maxwell Operating Co. Inc  
 STREET P.O. Box 1213  
 CITY Hays STATE Ks ZIP 67601

**FLOAT EQUIPMENT**

1-5 1/2" Rubber @ \_\_\_\_\_  
1-5 1/2" ASF float @ \_\_\_\_\_  
5-5 1/2" centralizer @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment  
 and furnish cementer and helper to assist owner or  
 contractor to do work as is listed. The above work was  
 done to satisfaction and supervision of owner agent or  
 contractor. I have read & understand the "TERMS AND  
 CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE [Signature]

SIGNATURE [Signature]  
 PRINTED NAME \_\_\_\_\_

# ALLIED CEMENTING CO., INC.

Federal Tax I.D.# 48-0727860

1470  
ORIGINAL

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

*Fussell*

DATE <i>2-31-00</i>	SEC. <i>10</i>	TWP. <i>16</i>	RANGE <i>12</i>	CALLED OUT <i>4:00 PM</i>	ON LOCATION <i>5:00 PM</i>	JOB START	JOB FINISH <i>7:30 PM</i>
LEASE <i>Cox</i>	WELL # <i>2</i>	LOCATION <i>Beaver IN 25 IN</i>			COUNTY <i>Barton</i>	STATE <i>Ks</i>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR *Discovery Dals*

TYPE OF JOB *SURFACE*

HOLE SIZE *12 1/4* T.D. *390*

CASING SIZE *8 5/8* DEPTH *388*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15*

PERFS.

DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED *210 mbu 60/40 3% CC 2% bet*

COMMON	<i>126</i>	@ <i>6.35</i>	<i>800.10</i>
POZMIX	<i>87</i>	@ <i>3.25</i>	<i>273.00</i>
GEL	<i>4</i>	@ <i>9.50</i>	<i>38.00</i>
CHLORIDE	<i>7</i>	@ <i>28.00</i>	<i>196.00</i>
		@	
		@	
		@	
		@	
		@	
HANDLING	<i>210</i>	@ <i>1.05</i>	<i>220.50</i>
MILEAGE	<i>.04/sk/m</i>		<i>235.20</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Bill*

# *153* HELPER *Paul*

BULK TRUCK

# *279* DRIVER

BULK TRUCK

# DRIVER

TOTAL *1762.80*

REMARKS:

SERVICE

*Surface set @ 388*

*Content w/ 210 mbu 60/40 3-2*

*pump plus w/ 23 3/4 bbls*

*Cement did circulate ✓*

DEPTH OF JOB

PUMP TRUCK CHARGE *480.00*

EXTRA FOOTAGE @

MILEAGE *28* @ *2.85* *79.80*

PLUG *18 1/2 wood* @ *45.00* *45.00*

@

@

TOTAL *604.80*

CHARGE TO: *Maxwell op. Co., Inc.*

STREET *P.O. Box 1213*

CITY *HAYS* STATE *Ks* ZIP *67601*

FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE

*Thomas Al*

PRINTED NAME