

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

AP NO 15 ORIGINAL 009-24647 0000

County Barton

-NW - NE - SE Sec. 10 Twp. 16S Rge. 12W

2310 Feet from S (circle one) Line of Section

990 Feet from E (circle one) Line of Section

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

Lease Name Cox Well # 1

Field Name Beaver

Producing Formation Arbuckle

Elevation: Ground 1907 KB 1915

Total Depth 3364 PBTD _____

Amount of Surface Pipe Set and Cemented at 411.60 f

Multiple Stage Cementing Collar Used? Yes X

If yes, show depth set _____ f

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx c

Drilling Fluid Management Plan A.H.L. 1-21-99 uc
(Data must be collected from the Reservoir if)

Chloride content 18,000 ppm Fluid volume 1400 bbl

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ Rge. _____ E/W

County _____ Docket No. _____

Operator: License # 31560

Name: MAXWELL OPERATING CO., INC.

Address P.O. Box 1213

City/State/Zip Hays, Kansas 67601

Purchaser: _____

Operator Contact Person: Brian Karlin

Phone (785) 628-6783

Contractor: Name: Discovery Drilling Inc.

License: 31548

Wellsite Geologist: Ron Nelson

Designate Type of Completion

X New Well _____ Re-Entry _____ Workover _____

X Oil _____ SWD _____ SLOW _____ Temp. Abd. _____

Gas _____ ENHR _____ SIGW _____

Dry _____ Other (Core, WSV, 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 _____ Socket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) Docket No. _____

12/3/97 12/10/97 12/11/97
Spud Date Date Reached TD Completion Date

CONFIDENTIAL DIVISION
Wichita, Kansas
RECEIVED
STATE CORPORATION COMMISSION

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 Production Manager Date 3-17-98

Subscribed and sworn to before me this 17 day of March, 19 98.

Notary Public Marilyn Wasinger

Date Commission Expires 10-27-2001

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

MARILYN WASINGER
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 10/27/01

Operator Name MAXWELL OPERATING CO., INC.

Lessee Name Cc Cox

Well # 1

Sec. 10 Twp. 16S Rge. 12W

East

County Barton

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests of interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static or hydrostatic pressure, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra if more space is needed. Attach copy of log.

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
(Submit Copy.)

List All E-Logs Run:

Log-Tech: Neutron Density Porosity Log

Log-Tech: Microlog

Log-Tech: Dual Induction Log

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Topeka Lm.	2684- 769	
Heebner Sh.	2968-1053	
Toronto Lm.	2986-1071	
Douglas Sand	3014-1099	
Brown Lm.	3059-1144	
Lans./KC	3073-1158	
Base KC	3326-1411	
Arbuckle	3361-1446	
RTD	3364-1449	

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	28	411.60	60/40Poz	225	2%Gel & 3%C
Production St.	7.7/8	5 1/2	14	3360.75	ASC	175	10%Salt&2%

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 ID				
<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)	
		Amount	Depth
4	3361-62	50 gal 15% mud acid	
4	3357-60	50 gal 15% INS	
4	3344-47		

TUBING RECORD	Size	Set At	Pecker At	Liner Run
	2-7/8"	3361	none	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
2-24-98				
Estimated Production Per 24 Hours	Oil	Gas	Water	Gravity
	35		0	39.1

Disposition of Gas:

Vented Sold Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval

3344-47

ORIGINAL

MAXWELL OPERATING CO., INC.
P.O. BOX 1213
HAYS, KANSAS 67601

Cox #1
NW-NE-SE
10-16S-12W
Barton County, Kansas

DST #1: 2914-2945'
45-45-45-45
IFP: 70-70# FFP: 70-70# BHT: 96
SIP: 722-660# IHH: 1426# FHH: 1396#
REC: 500' gas in pipe,
62' heavy oil and gas cut mud (15% gas, 15% oil, 70% mud).

DST #2: 3081-3116'
30-45-30-45
IFP: 45-76# FFP: 90-136#
SIP: 612-602# IHH: 1483#
REC: Gas to surface in 9 minutes,
30' heavy oil and gas cut mud,
(20% gas, 30% oil, 50% mud),
62' heavy oil and gas cut watery mud,
(20% gas, 28% oil, 22% water, 30% mud),
62' slightly oil and gas cut water, (1% oil, 99% water),
124' water.

RECEIVED
STATE CORPORATION COMMISSION
BHT: 1473#
FHH: 1473#
JAN 26 1999

CONSERVATION DIVISION
Wichita Kansas

DST #3: 3140-3160'
30-45-30-45
IFP: 291-655# FFP: 759-842# BHT: 111
SIP: 894-904# IHH: 1537# FHH: 1537#
REC: 40' oil and gas cut watery mud,
(5% gas, 10% oil, 20% water, 65% mud),
124' oil and gas cut muddy water,
(10% gas, 5% oil, 55% water, 30% mud),
62' slightly oil and gas cut water,
(8% gas, 2% oil, 90% water), 1560' water.

DST #4: 3329-3364'
30-45-30-45
IFP: 40-132# FFP: 140-217# BHT: 111
SIP: 937-885# IHH: 1629# FHH: 1629#
REC: 380' clean oil,
186' slightly muddy gassy oil,
(6% gas, 91% oil, 3% mud).

CEMENTING CO., INC.

9318

Federal Tax I.D.# 48-0727860

P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL SERVICE POINT: Russell

DATE <u>12-4-97</u>	SEC.	TWP.	RANGE	CALLED OUT <u>11:30 AM</u>	ON LOCATION <u>1:00 PM</u>	JOB START	JOB FINISH <u>3:00 PM</u>
LEASE <u>Cox</u>	WELL # <u>1</u>	LOCATION <u>Brown 2E 2 1/2 N</u>		COUNTY <u>Barton</u>	STATE <u>Kn</u>		
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Discovery Drills #1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 412

CASING SIZE 8 5/8 DEPTH 411

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 25 1/2 bbls

EQUIPMENT

PUMP TRUCK CEMENTER Bill

153 HELPER Dave

BULK TRUCK

DRIVER

BULK TRUCK

282 DRIVER Darin

REMARKS:

Surface pipe set e

Cement w/ 225 lbs 6/40 3-2

pump plus w/ 25 bbls water

Content did circulate ✓

OWNER

CEMENT

AMOUNT ORDERED 225 lbs 6/40 3% CC 2% Gel

COMMON @

POZMIX @

GEL @

CHLORIDE @

HANDLING @

MILEAGE RECEIVED

STATE CORPORATION COMMISSION

JAN - 6 1999

TOTAL

CONSERVATION DIVISION SERVICE
Wichita Kansas

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

PLUG wood 8 5/8 @

TOTAL

CHARGE TO: Maxwell Op. Co.

STREET

CITY STATE ZIP

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

ALLIED CEMENTING CO., INC.

9347

Federal Tax I.D.# 48-0727860

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

ORIGINAL SERVICE POINT: R

DATE <u>12/11/97</u>	SEC <u>10</u>	TWP <u>16 S</u>	RANGE <u>12 W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>4:00 pm</u>
LEASE <u>Cox</u>	WELL # <u>1</u>	LOCATION <u>Beaver 2E 2 1/2 N 4W</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Discovery Drilling

TYPE OF JOB production string

HOLE SIZE 7 7/8 T.D. 3364

CASING SIZE 5 1/2 DEPTH 3360

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1100 psi MINIMUM

MEAS. LINE SHOE JOINT 39

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 1 1/4" 8 1/4 RRL

OWNER

CEMENT

AMOUNT ORDERED 175 ASC 10% salt

2% gel

EQUIPMENT

153

PUMP TRUCK CEMENTER Dave Paul

HELPER

BULK TRUCK

DRIVER

BULK TRUCK

213 DRIVER Darin

COMMON @

POZMIX @

GEL @

CHLORIDE @

HANDLING @

MILEAGE @

RECEIVED

STATE COMMISSION

TOTAL

JAN 6 1998

CONSERVATION DIVISION
Wichita, Kansas

SERVICE

REMARKS:

plug rat hole w/c 15 sk

mouse hole w/c 10 sk

Leak on 1, 3, 6, 9, 11, 13

Float held

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

PLUG 5 1/2 Rubber @

CHARGE TO: Maxwell Operating Co Inc

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

1 packer shoe @

1 AFU Insert @

6 centralizers @

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

TOTAL