

COPY

APR NO. 15-

009-24647 0000

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 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

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ SLOW ☐ 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.

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

County Barton

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

2310 Feet from ☒ N (circle one) Line of Section990 Feet from ☒ EW (circle one) Line of SectionFootages 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

If Alternate II completion, cement circulated from

feet depth to w/ ex c

Drilling Fluid Management Plan AH-1, 1-21-99 v.c.
(Data must be collected from the Reserve Pit)

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. S Rng. E

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

Title Production Manager

Date 3-17-98

Subscribed and sworn to before me this 17 day of March, 1998.

Notary Public

Date Commission Expires

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

Form ACO-1 (7-91)

MARILYN WASINGER

NOTARY PUBLIC

STATE OF KANSAS

My Appt. Exp. 10/22/2001

Operator Name MAXWELL OPERATING CO., INC.Lease Name Cc Cox Well # 1Sec. 10 Twp. 16S Rge. 12W☐ East
☒ WestCounty Barton

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 pressures, 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 ☒ NoCores Taken ☐ Yes ☒ NoElectric 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	60/40 Poz	225	2% Gel & 3% C
Production St.	7 7/8	5 1/2	14	3360.75	ASC	175	10% Salt & 2% C

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back ID				
☐ 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	3361-62	50 gal 15% mud acid	
4	3357-60	50 gal 15% INS	
4	3344-47		
TUBING RECORD			
Size	Set At	Packer At	Liner Run
2-7/8"	3361	none	☐ Yes ☒ No
Date of First, Resumed Production, SWD or Inj.	Producing Method		
2-24-98	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.
	35		0
			Gas-Oil Ratio
			Gravity
			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

COPY

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# BHT: 104
SIP: 612-602# IHH: 1483# FHH: 1473#
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
JAN - 6 1999
CONVENTION CENTER
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).