

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: Farmland Industries  
 Operator Contact Person: Brian Karlin  
 Phone (913) 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  PSTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj)  Docket No. \_\_\_\_\_

3/5/97 3/11/97 3/12/97  
 Spud Date Date Reached TD Completion Date

API NO. 15- 009-24624 0000  
 County Barton  
 100' N  
 100' W SE-SW -NE Sec. 4 Twp. 16S Rge. 12W X  
3070 feet from (S)N (circle one) Line of Section  
1750 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 Casey Well # 5  
 Field Name Beaver  
 Producing Formation Lansing KC  
 Elevation: Ground 1881 KB 1889  
 Total Depth 3325 PSTD \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 417.52 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/ \_\_\_\_\_ ex cmt.

Drilling Fluid Management Plan ALT 1 JW 2-25-98  
 (Date must be collected from the Reserve Pit)  
 Chloride content 22,000 ppm Fluid volume 2500 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 Date 12-29-97  
 Title Production Manager  
 Subscribed and sworn to before me this 29<sup>th</sup> day of December  
 19 97.  
 Notary Public Rischel Betts  
 Date Commission Expires 4-13-99

01-12-98  
 STATE CORPORATION COMMISSION  
 K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached   
 Wireline Log Received   
 Geologist Report Received   
 Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
 (Specify)

**RISCHEL BETTS**  
 Notary Public - State of Kansas  
 My Appl. Expires 4-13-99

Operator Name Maxwell Operating Co., Inc. Lease Name Casey Well # 5

Sec. 4 Twp. 16S Rge. 12  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.	2676- 787	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner Sh.	2956-1067	
List All E.Logs Run:		Toronto Lm.	2975-1086	
ELI Wireline Services: Comp. Density Neutron		Douglas Sand	3006-1117	
" " " : Dual Induction		Brown Lm.	3044-1155	
LK Wireline: GR Correlation Bond		Lans./K.C.	3055-1166	
		Base K.C.	3306-1417	
		Gorham Sand	3322-1433	
		RTD	3325-1436	

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings wet-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	417.52	60/40Poz	225	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	3319	ASC	175	10% Salt

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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
2	3235-38	750--15% NE
2	3194-97	250--15% NE
2	3133-37	500--15% NE
2	3088-90	250--15% NE
2	3061-64	250--15% NE
2	2977-80	500--15% NE
2	2921-24	750--15% NE
2	2900-02	

TUBING RECORD	Size 2-7/8	Set At 3268	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 04-03-97	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. 63 BOPD	Gas Mcf	Water Bbls. 154 BWPD	Gas-Oil Ratio	Gravity 33
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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: 2900-3238'

ORIGINAL

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

15-009-24624

Casey #5  
100' North & 100' West of SE-SW-NE  
04-16S-12W Barton County, Kansas

DST #1: 2897-2935'  
30-45-30-45  
IFP: 51-51#, FFP: 61-61#  
SIP: 394-374#, IHH: 1508#, FHH: 1448#, BHT: 97  
Rec: 320' gas in pipe,  
45' slightly oil water cut mud  
(10% oil, 30% water, 60% mud).

DST #2: 3070-3115'  
30-45-30-45  
IFP: 61-41#, FFP: 51-41#  
SIP: 750-740#, IHH: 1549#, FHH: 1508#, BHT: 100  
Rec: Gas to surface in 5 minutes,  
15' mud,  
60' slightly oil cut mud  
(10% gas, 10% oil, 80% mud).

DST #3: 3112-3162'  
30-45-30-45  
IFP: 91-182#, FFP: 233-183#  
SIP: 526-516#, IHH: 1569#, FHH: 1559#, BHT: 109  
Rec: Gas to surface in 15 minutes,  
50' gassy mud (5% gas, 95% mud),  
300' gassy mud and water cut oil  
(10% gas, 40% oil, 20% water, 30% mud),  
330' gassy water and mud cut oil  
(40% gas, 30% oil, 25% water, 5% mud),  
30' salt water.

DST #4: 3302-3325'  
30-45-30-45  
IFP: 36-158#, FFP: 158-272#  
SIP: 1066-1025#, IHH: 1679#, FHH: 1648#, BHT: 117  
Rec: 180' water and mud cut oil  
(60% oil, 30% water, 10% mud),  
120' gassy water and mud cut oil  
(20% gas, 50% oil, 25% water, 5% mud),  
60' slightly oil cut water  
(10% oil, 90% water),  
240' salt water with traces of oil throughout.

RECEIVED  
STATE COMMISSION

JAN 12 1966



# Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (913) 623-2920 • CELLULAR (913) 635-1511

# ORIGINAL

## DRILLER'S LOG

15-009-24624

Operator: **MAXWELL OPERATING CO., INC.**  
P.O. Box 1213  
Hays, KS 67601

Contractor: **DISCOVERY DRILLING, INC.**  
P.O. Box 763  
Hays, KS 67601

Lease: Casey #5

Location: 100'N&100'W of SE/SW/NE  
Sec. 4/16S/12W  
Barton Co., KS

Loggers Total Depth: 3317'  
Rotary Total Depth: 3325'  
Commenced: 03/05/97  
Casing: 8 5/8" @ 417' w/225 sks  
5 1/2" @ 3319 w/175 sks

Elevation: 1881 Gr/1889'KB  
Completed: 03/12/97  
Status: Oilwell

## DEPTHS & FORMATIONS

(All measurements from K.B.)

Surface, Sand & Shale	0'	Shales	834'
Dakota Sand	247'	Shales & Lime	1479'
Shales	309'	Shales	1791'
Cedar Hill Sand	572'	Shales & Lime	2089'
Red Bed Shale	741'	Lime & Shales	2901'
Anhydrite	812'	RTD	3325'
Base Anhydrite	834'		

STATE OF KANSAS )  
                          ) ss  
COUNTY OF ELLIS )

RECEIVED  
STATE CORPORATION COMMISSION

Thomas H. Alm of Discovery Drilling, Inc. states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

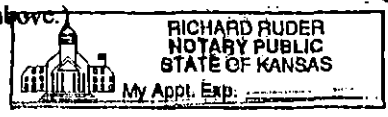
*Thomas H. Alm*  
Thomas H. Alm  
JAN 12 1998  
CORPORATION DIVISION

Subscribed and sworn to before me on 3-12-97

My Commission Expires: 3-8-2001

*Richard Ruder*  
Notary Public

(Place stamp or seal above)



# ALLIET CEMENTING CO., INC. 7199

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

## ORIGINAL

SERVICE POINT: R

DATE <u>3/12/97</u>	SEC <u>4</u>	TWP. <u>10</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>3:15 AM</u>
LEASE <u>Casey</u>	WELL# <u>5</u>	LOCATION <u>Box 3N 2E 5N</u>			COUNTY <u>Butler</u>	STATE <u>Kc</u>	

OLD OR NEW (Circle one) NEW

CONTRACTOR Discanny Dig

TYPE OF JOB Production String

HOLE SIZE 7 7/8 T.D. 3325

CASING SIZE 5 1/2 DEPTH 3318

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42'

CEMENT LEFT IN CSG. 14' 81 BBL

PERFS.

OWNER \_\_\_\_\_ CEMENT \_\_\_\_\_

AMOUNT ORDERED 175 ASC 10% salt

500 gal WFR-2

COMMON	@	_____
POZMIX	@	_____
GEL	@	_____
CHLORIDE	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
HANDLING	@	_____
MILEAGE	_____	_____

**EQUIPMENT**

153 Drive

PUMP TRUCK CEMENTER Mark

# \_\_\_\_\_ HELPER \_\_\_\_\_

BULK TRUCK DRIVER \_\_\_\_\_

# \_\_\_\_\_ DRIVER Jason

TOTAL \_\_\_\_\_

**REMARKS:**

plug set bit wt 15% max salt 10% salt

Flow Hold

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE @ \_\_\_\_\_

PLUG 5 1/2 Rubber @ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

CHARGE TO: Maxwell Operating Co Inc

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

RECEIVED  
STATE COMMISSION COMMISSION  
TOTAL \_\_\_\_\_  
JAN 12 1998

**FLOAT EQUIPMENT**

1 Allow packer slip @ \_\_\_\_\_

1 AEU Transit @ \_\_\_\_\_

4 containers @ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL \_\_\_\_\_

# ALLIED CEMENTING CO., INC. 7225

ORIGINAL

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

SERVICE POINT:  
R

DATE <u>3-6-77</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>Co. DDAM</u>	JOB START	JOB FINISH <u>8:15 p.</u>
LEASE <u>Coway</u>	WELL# <u>5</u>	LOCATION <u>Brown 3rd E 2 N 1 E</u>			COUNTY <u>Butler</u>	STATE <u>Mo</u>	

OLD OR NEW (Circle one)

CONTRACTOR Deerway Dalg  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 417  
 CASING SIZE 8 5/8 DEPTH 417 23'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 10-15' 25 2/4  
 PERFS.

OWNER \_\_\_\_\_  
 CEMENT  
 AMOUNT ORDERED 2.25 4 1/4 3 7/8 2 7/8  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Mike  
 # 153 HELPER Paul  
 BULK TRUCK  
 # 213 DRIVER John  
 BULK TRUCK  
 # DRIVER

TOTAL \_\_\_\_\_

**REMARKS:**

**SERVICE**

Cement Circulated

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 PLUG REMOVED @ \_\_\_\_\_  
STATE OF KANSAS DEPARTMENT OF REVENUE  
JAN 12 1978 @ \_\_\_\_\_

CHARGE TO: Maxwell Operating Co.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

CORRELATION DIVISION TOTAL \_\_\_\_\_

**FLOAT EQUIPMENT**

\_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

TOTAL