STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
AGO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5663
Name .............................................................................................................
Address ...........................................................................................................
City/State/Zip .................................................................................................

Purchaser: ......................................................................................................

Operator Contact Person .............................................................................
Phone ..............................................................................................................

Contractor: License # 4516
Name .............................................................................................................
Wellsite Geologist ...........................................................................................
Phone ..............................................................................................................

Designate Type of Completion
X New Well .....................................................................................................
Re-Entry .........................................................................................................
Workover .........................................................................................................

Oil ....................................................................................................................
X Gas ............................................................................................................... 1
Gas, SWD ....................................................................................................... 1
Gas, Indep. Comp. ............................................................................................
Others (Care, Water Supply etc.) ....................................................................

If OTHER: old well Info as follows:
Operator ........................................................................................................
Well Name .....................................................................................................
Comp. Date .....................................................................................................
Oil & Total Depth ..........................................................................................

WELL HISTORY

Drilling Method: X Mud Rotary ...........................................................................
Air Rotary ....................................................................................................... Cable

Spud Date ....................................................................................................... 1/3/1986
Date Reached TD .......................................................................................... 1/24/1987
Completion Date ............................................................................................

Total Depth ....................................................................................................
PSTD ................................................................................................................

Amount of Surface Pipe Set and Cemented at 2400 ft.
Multiple Stage Cementing Carrier Used? X No
If yes, show depth set ...................................................................................

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission,
200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule
82-3-130, 82-3-107 and 82-3-106 apply.

If alternate 2 completion, cement circulated from 2400 ft. depth downward.

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 ............................................................................................................... Date

Subscribed and sworn to before me this _______ day of __________., __19__. ...............................
Notary Public ..............................................................................................

Date Commission Expires ............................................................................

K.G.C.C. OFFICE USE ONLY
F. Letter of Confidentiality Attached
C. Wireline Log Received
D. Drillers Timelogs Received

Distribution
KCC SWD/Rep. NGPA
KGS Plug Other (Specify)

FORM ACO-1 (5-96)
AUG 5, 1997
AUG 5, 1997

NOTARY PUBLIC - State of Kansas
By Appt. Exp. 9-15-99
WELL LOG

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: Yes
Samples Sent to Geological Survey: No
Cores Taken: Yes

Formation Description

<table>
<thead>
<tr>
<th>Name</th>
<th>Top</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anhydrite</td>
<td>1925</td>
<td>1963</td>
</tr>
<tr>
<td>Heebner</td>
<td>3507</td>
<td></td>
</tr>
<tr>
<td>Toronto</td>
<td>3535</td>
<td></td>
</tr>
<tr>
<td>Lansing</td>
<td>3553</td>
<td>3753</td>
</tr>
<tr>
<td>R.T.D.</td>
<td>3760</td>
<td></td>
</tr>
</tbody>
</table>

Casing Record

Purpose of String

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (in O.D.)</th>
<th>Weight Lbs/ft.</th>
<th>Setting Depth</th>
<th>Type of Cement Used</th>
<th>Sacks of Cement Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Perforation Record

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>Specify Footage of Each Interval Perforated</th>
<th>Acid, Fracture, Shot, Cement Squeeze Record</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tubing Record

<table>
<thead>
<tr>
<th>Size</th>
<th>Set At</th>
<th>Packer at</th>
<th>Liner Run</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

Date of First Production

<table>
<thead>
<tr>
<th>Producing Method</th>
<th>Flowing</th>
<th>Pumping</th>
<th>Gas Lift</th>
<th>Other (explain)</th>
</tr>
</thead>
</table>

Estimated Production

<table>
<thead>
<tr>
<th>Oil</th>
<th>Gas</th>
<th>Water</th>
<th>Gas-Oil Ratio</th>
<th>Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bbls</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

METHOD OF COMPLETION

<table>
<thead>
<tr>
<th>Disposition of Gas: Vented</th>
<th>Open Hole Perforation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sold</td>
<td>Other (Specify)</td>
</tr>
<tr>
<td>Used on Lease</td>
<td></td>
</tr>
</tbody>
</table>

Production Interval

Dually Completed

Commingled
DRILLERS' LOG

COMPANY: Hess Oil Company

CONTRACTOR: Mallard Drilling
P. O. Box 1009
McPherson KS 67460

WELL: Steward #1

API#: 15-065-22,387

LOCATION: NE SW NW

COMMENCED: June 21, 1987

LOCATION: Sec. 19, Twp. 75, Rge. 22W

COMPLETED: June 26, 1987

COUNTY: Graham

TOTAL DEPTH: 3760'

ELEVATION: 2296' G. L.

2302' K. B.

Formation		FROM		TO
Soil, Shale	0'	215'
Shale, Sand	215'	1464'
Cedar Hills	1464'	1685'
Shale, Sand, Clay	1685'	1925'
Anhydrite	1925'	1962'
Shale	1962'	2881'
Shale, Lime	2881'	3760' R.T.D. Lansing

REMARKS
Cut 12½" hole to 215' and ran 5 joints new 8 5/8" X 20' X 201.19' surface casing. Set at 210.69' and cemented with 140 sacks 60/40 poz mix, 3% cc, 2% gel. Cement did circulate. P.D. at 10:30 p.m., 6/21/87.

Ran 1 DST.

Plugged hole with 200 sacks 60/40 poz mix, 6% gel, 3% cc as follows:
25 sacks @ 1950'
100 sacks @ 1075' plus 1 sack hulls
40 sacks @ 260'
10 sacks @ 40'; circulated
P.D. @ 5:15 p.m., 6/26/87

STATE OF KANSAS )
) SS:
COUNTY OF McPHERSON

I, BRYAN HESS of MALLARD DRILLING, do hereby certify that this is a true and correct copy of the log of the Steward #1 well as reflected by the files of Mallard Drilling.


Subscribed and sworn to before me this 3rd day of