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

Operator: License 

Name: 5663

Company: Head Oil Company

Address: P.O. Box 1009

City/State/Zip: McPherson, KS 67460

Purchaser: NCPA

Operator Contact Person: Bryan Hess

Phone: 316-241-4040

Contractor/License 

Name: 4958

Company: Hallard WV, Inc.

Wellsite Geologist: James C. Hess

Phone: 785-265-2343

Designate Type of Completion

X New Well

Re-Entry

Workover

X Oil

SWD

Temp ABT

Gas

Inj

Delayed Comp.

Dry

Other (Core, Water Supply etc)

If OWMO: old well info as follows:

Operator

Well Name

Comp. Date

Old Total Depth

WELL HISTORY

Drilling Method:

X Mud Rotary

Air Rotary

Cable

10-28-89

11-13-88

11-11-88

Spud Date

Date Reached TD

Completion Date

3712'....

3666'

Total Depth

PRTD.

Amount of Surface Pipe Set and Cemented at: 227 feet

Multiple Stage CEMENTING Collar Used? Yes

No

If yes, show depth set: 227 feet

If aggregate depth completion not specified from:

3995'....

Foot depth to surface 150'

Cement Company Name Allied

Invoice 

5466

3-13-89

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 220 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.

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 drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-11 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

Bryan Hess

Title

Mgr.

Date 2-28-89

Subscribed and sworn to before me this 28th day of February 1989.

Notary Public

Date Commission Expires 11-15-89

K.G.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Timelog Received

Distribution

K.C.C. ..... K.C.C.

SMD/Hep ..... NSPA

K.G.S. ..... K.G.S.

Plug ..... Other

(Specify)

Form ACO-I (5-86)

063-22,491

Graham

County

NW SW NW

Sec. 8

Twp. 6

Rge. 21

East

West

3630

'4958' FT North from Southeast Corner of Section

'4958' FT West from Southeast Corner of Section

(Note: Locate well in section plat below)

Boys

Lease Name ..Well 

Boys South

Field Name: Lansing

Producing Formation

Elevation: Ground

2185'... XG

2193'....

Section Plat

RECEIVED

MAR 03 1989

STATE CORPORATION COMMISSION
WATER SUPPLY INFORMATION

Disposition of Produced Water:

X Disposal

Repressuring

Questions on this portion of the ACO-I call:

Water Resources Board (913) 296-3717

Source of Water:

Division of Water Resources Permit 

Groundwater...

FT North from Southeast Corner

(Well)

FT West from, Southeast Corner of

Sec

Twp

Rge

East

West

X Surface Water

2640'

FT North from Southeast Corner

(Stream,pond etc)

FT West from Southeast Corner

Sec 8

Twp 6

Rge 21

East

West

Other (explain)

(purchased from city, R.W.D. 

CONSERVATION DIVISION

Wichita Kansas

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Plug ..... Other

(Specify)

Form ACO-I (5-86)
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.

<table>
<thead>
<tr>
<th>Drill Stem Tests Taken</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samples Sent to Geological Survey</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Cores Taken</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

DST #1: 3355'-3400'. 30-30-60-45. Recovered 1650' SW w/scum oil throughout. IH 1677#, IF 148-381, ISIP 1000, FH 1666, FF 444-759, FSIP 989.

DST #2: 3395'-3470'. 60-30-60-45. Recovered 10' oil, 60' oil cut mud (30% oil, 80% mud). IH 1791, IF 84-84, ISIP 180, FH 1677, FF 116-116, FSIP 243.


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**CASING RECORD**

Report all strings set-conductor, surface, intermediate, production, etc.

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (in G.D.)</th>
<th>Weight Lbs./ft.</th>
<th>Setting Depth</th>
<th>Type of Cement</th>
<th>#Sacks Used</th>
<th>Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12-1/4&quot;</td>
<td>8-5/8&quot;</td>
<td>32</td>
<td>251</td>
<td>60/40 Poz.</td>
<td>1-60</td>
<td>Scc. 2%gel.</td>
</tr>
<tr>
<td>Production</td>
<td>7-7/8&quot;</td>
<td>3-1/2&quot;</td>
<td>14-15</td>
<td>3695</td>
<td>A Li 200</td>
<td>200.5</td>
<td>10% salt, AgI .</td>
</tr>
</tbody>
</table>

**PERFORATION RECORD**

Shots Per Foot Specify Footage of Each Interval Perforated

| Depth | 3625' & 3604' & 3592-391' | 3600 gal. 103' acid. | 3625' & 3634-35' | 3600 gal. 103' Acid. |

**TUBING RECORD**

| Size | 2-3/8" | Set At 3656' | Packer at | Liner Run | Yes | No |

**Date of First Production**

Producing Method

- Flowing
- Pumping
- Gas Lift
- Other (explain)...

**Estimated Production Per 24 Hours**

- Oil 18 Bbls
- Gas 0 MCF
- Water 110 Bbls
- Gas-Oil Ratio 37

**METHOD OF COMPLETION**

Production Interval 3436'-3625'

Disposition of gas:
- Vented
- Sold
- Used on Lease
- Open Hole
- Perforation
- Other (Specify)...
- Dually Completed
- Connubled

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Mallard JV, Inc.
P.O. Box 1009
McPherson, KS 67460

DRILLERS' LOG

OPERATOR: Hess Oil Company
P.O. Box 1009
McPherson, KS 67460

WELL: Boys #2

API#: 15- 065-22,491

LOCATION: NW SW NW

COMMENCED: October 28, 1988

3630 Ft. FSL, 4950 Ft. FEL

COMPLETED: November 3, 1988

Sec. 8 Twp. 6 S Rge. 21 W

TOTAL DEPTH: 3715 Ft.

COUNTY: Graham

ELEVATION: 2185 Ft. G.L.

2193 Ft. K.B.

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FORMATION FROM TO
-----------------------------------------------------------------------------------------------------------------------------
Surface 0' 228'
Shale 228 1376
Sand 1376 1578
Shale 1578 1841
Anhydrite 1841 1876
Shale 1876 3376
Shale, Lime 3376 3715 R.T.D. Arbuckle

REMARKS
Cut 12½" hole to 228' and ran 7 joints 8-5/8" x 32½' x 217.82' surface casing.
Set at 227.42' and cemented w/ 160 sacks 60/40 Pozmix, 3% ce, 2% gel. Cement did circulate. P.D. @ 2:00 a.m. 10-29-88.

Ran 3 DSTs and electric log.

Ran 120 joints 5½" x 14½ & 15½ x 3720' casing. Set at 3695' and cemented w/ 300 sacks ATL and 150 sacks 60/40 Pozmix, 10% salt, 5% Gilsonite. Cement did circulate. P.D. @ 1:15 p.m. 11-3-88.

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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 Boys #2 well as reflected by the files of Mallard Drilling.

[Signature]

Subscribed and sworn to before me this 11th day of November, 1988.

[Signature]
Rene J. Fricke
Notary Public

My Commission Expires

[Stamp]