

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

ORIGINAL

API NO. 15- 065-22,663-00-00

County Graham

30'W N2 NW NE Sec. 21 Twp. 6 Rge. 24 X <sup>E</sup> <sub>W</sub>

4950 Feet from (S)N (circle one) Line of Section

2010 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 Harris Well # 1

Field Name \_\_\_\_\_

Producing Formation \_\_\_\_\_

Elevation: Ground 2486' KB 2494'

Total Depth 4240' PBD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 283 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/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan AITD DVA  
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 80 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. \_\_\_\_\_

Operator: License # 5663

Name: Hess Oil Company

Address P.O. Box 1009

City/State/Zip McPherson, KS 67460

Purchaser: \_\_\_\_\_

Operator Contact Person: Bryan Hess

Phone (316) 241-4640

Contractor: Name: Mallard JV, Inc.

License: 4958

Wellsite Geologist: James C. Hess

Designate Type of Completion

X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_

\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ SOW \_\_\_\_\_ Temp. Abd.

\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW

X 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 \_\_\_\_\_ PBD

\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

3-13-92 3-20-92 3-20-92

Spud Date Date Reached TD Completion Date

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.

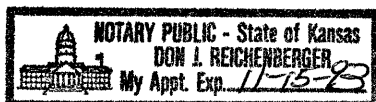
Signature Bryan Hess

Title Bryan Hess, Mgr. Date 5-12-92

Subscribed and sworn to before me this 12th day of May, 19 92.

Notary Public Don J. Reichenberger

Date Commission Expires 11-15-93



K.C.C. OFFICE USE ONLY  
F \_\_\_\_\_ Letter of Confidentiality Attached  
C ✓ Wireline Log Received  
C ✓ Geologist Report Received  
RECEIVED  
STATE CORPORATION COMMISSION  
✓ KCC \_\_\_\_\_ SWD/Rep \_\_\_\_\_ NGPA  
\_\_\_\_\_ KGS \_\_\_\_\_ APR 14 1992 Other \_\_\_\_\_  
(Specify)  
Wichita, Kansas



# ORIGINAL

MALLARD JV, INC.  
P. O. BOX 1009  
McPHERSON, KS 67460

## DRILLERS LOG

OPERATOR: Hess Oil Company P. O. Box 1009 McPherson, KS 67460	WELL: Harris #1 API#: 15-065-22,663-00-00
COMMENCED: March 13, 1992	LOC: 30' W of N2 NW NE
COMPLETED: March 20, 1992	4950 Ft FSL, 2010 Ft FEL
TOTAL DEPTH: 4240 Ft	Sec 21 Twp 6 Rge 24 W
ELEVATION: 2486 Ft GL, 2494 Ft KB	COUNTY: Graham, Kansas

STATUS: D & A - Arbuckle Formation

Spud: 9:55 p.m. 3/13/92

Size Hole Drilled: 12-1/4" x 285'

Surface Casing: 8-5/8" x 28# x 272.92' (7 jts.)

Set At: 282.52'

Cement: 165 sacks 60/40 Pozmix, 2% gel, 3% cc

PD: 5:30 a.m. 3/14/92

Size Hole Drilled: 7-7/8" x 4240'

Plugged Hole With: 25 sacks @ 4140'

25 sacks @ 2170'

100 sacks @ 1340' w/1 sk floseal

40 sacks @ 320'

10 sacks @ 40'

15 sacks rathole

10 sacks mousehole

225 sacks total - 60/40 Pozmix, 6% gel, 1 sk f/s

PD: 3:30 p.m. 3/20/92

Drill Stem Tests: 3

Electric Log: Yes

### ... CERTIFICATE ...

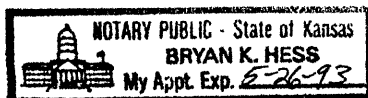
Dick Hess, Vice-President of Mallard JV, Inc., hereby certifies that this is a true and correct copy of the log of the following well, as reflected by the files of Mallard JV, Inc.: Harris #1

Dick Hess, Vice-President

STATE OF KANSAS )  
COUNTY OF McPHERSON ) ss.

MAY 14 1992

Subscribed and sworn to before me this 2nd day of April, 1992.



Bryan K. Hess, Notary Public

ORIGINAL  
HESS OIL COMPANY

412 East Douglas, Suite One  
Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

HARRIS #1

*APL 15-065-22663*

N/2 NW NE of

SECTION 21 - 6S - 24W

GRAHAM COUNTY, KANSAS

Commenced: 3-13-92

Completed: 3-19-92

Contractor: Mallard J.V.

Elevations: 2486' GR,  
2494' KB  
Surface Pipe: 200' of 8-5/8"

Production Pipe: none

One foot drilling time was kept from 2140' to 2200' KB and from 3200' to total depth. Ten foot samples were kept (wet & dry) from 3400' to total depth.

Following are sample tops, descriptions of zones of interest (including shows of oil & gas), and results of all drill stem tests.

<u>ANHYDRITE</u>	<u>2160</u>	<u>( +334 )</u>
<u>BASE ANHYDRITE</u>	<u>2194</u>	<u>( +300 )</u>
<u>TOPEKA</u>	<u>3463</u>	<u>( - 969 )</u>

MAY 14 1992  
CONSERVATION DIVISION

ORIGINAL  
**HESS OIL COMPANY**

412 East Douglas, Suite One  
Wichita, Kansas 67202

**(316) 263-2243**

Harris #1  
Page 2

HEEBNER

3665 (-1171)

LANSING

3707 (-1213)

3748-53' KB

White, very finely crystalline, dense, limestone. Fair show of free oil (very slight show of heavy tar oil) in poor to fair intercrystalline porosity, fair cut, no odor, and good staining.

3758-68' KB

White, very finely crystalline, dense, chalky, limestone. Weak show of free oil in poor to very poor intercrystalline porosity, no odor, good stain, and a weak cut.

3771-75' KB

Tan, very finely crystalline, dense, limestone. Fair show of free oil in fair intercrystalline "on edge" porosity, weak odor, good staining, and a strong cut.

DRILL STEM TEST #1

3740' to 3790' KB

50' Anchor

Blow: Slow build to bottom of bucket in 40min.  
2cd opening in 30min.

Times: Open 60, Closed 45, Open 60, Closed 45.

Recovered: 890' Salt Water chl. 45,000ppm

Pressures: IH 1891# IF 96-259# ISIP 1238#  
FH 1862# FF 326-442# FSIP 1209#

3818-23' KB

Tan, very finely crystalline, dense, limestone. Weak show of free oil in poor to fair intercrystalline porosity, no odor, fair stain, and a weak cut.

3844-49' KB

Tan, very finely crystalline, dense, limestone. Weak show of free oil in poor to fair intercrystalline porosity, no odor, good staining, and a fair cut.

3862-66' KB

White to brown, very finely crystalline, dense, limestone. Fair show of free oil in poor to fair intercrystalline porosity, no odor, weak staining, and a weak cut. Some barren porosity.

RECEIVED  
STATE CORPORATION COMMISSION  
MAY 14 1992

CONSERVATION DIVISION

ORIGINAL

### HESS OIL COMPANY

412 East Douglas, Suite One  
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(316) 263-2243

Harris #1  
Page 3

DRILL STEM TEST #2   3830' to 3880' KB                         50' Anchor

Blow: Blow died in 30min.  
Times: Open 45, Closed 0, Open 0, Closed 0.  
Recovered: 64' Mud  
Pressures: IH 2103#     IF 76-76#     ISIP ---  
              FH 1978#     FF ----     FSIP ---

DRILL STEM TEST #3   3810' to 3880' KB                         70' Anchor

Blow: bottom of bucket in 35min. both opennings.  
Times: Open 60, Closed 45, Open 60, Closed 45.  
Recovered: 625' Mud Cut Salt Water (chl. 50,000ppm)  
Pressures: IH 2017#     IF 115-240#     ISIP 1410#  
              FH 1998#     FF 259-346#     FSIP 1410#

CONGLOMERATE   4001           (-1507)

ARBUCKLE   4179           (-1685)

RTD   4240           (-1746)

It was decided a Radiation Guard Log be run to help evaluate this test. A Sonic log was also run in order to make a Synthetic seismic log for further seismic evaluation. All ~~logs~~ <sup>pressures</sup> were tested! The Harris #1 was plugged according to state regulations on March 19, 1992.

RECEIVED  
STATE REGISTRATION COMMISSION

MAY 14 1992  
Sincerely,  
*James C. Hess*  
James C. Hess  
Geologist

**HALLIBURTON SERVICES**  
**JOB LOG**

WELL NO. 1 LEASE HARRIS TICKET NO. 216082

CUSTOMER HESS OIL PAGE NO. 1

JOB TYPE PLUG TO ABANDON DATE 3-20-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							CALLED OUT
	1030							RIG CIRC.
	1030							ON LOC - MUDDY - CHAINED UP
	1116	5 gpm		1		250°		REQUESTED - A.S.A.P.
	1135							ST. 10 BBL H <sub>2</sub> O - 25 SKS 6 3/4" POZ. 6 7/8" GEL 3 1/2" H <sub>2</sub> O - 50 BBL MUD.
	1235	5		1		250		1 <sup>ST</sup> PLUG DOWN - 4140' RIG LAYING DOWN D.P.
	1245							ST. 10 H <sub>2</sub> O - 25 SKS 6 3/4" POZ. 6 7/8" GEL 3 1/2" H <sub>2</sub> O - 22 BBL MUD.
	1310	5		1		225		2 <sup>ND</sup> PLUG DOWN - 2170' - RIG LAYING DOWN D.P.
	1320							ST. 10 H <sub>2</sub> O - 100 SKS 6 3/4" POZ. 6 7/8" GEL, 1 SK FLOOR 8 BBL H <sub>2</sub> O
	1448							3 <sup>RD</sup> PLUG DOWN - 1340' - RIG LAYING DOWN D.P.
	1454							ST. 5 H <sub>2</sub> O - 40 SKS 6 3/4" POZ. 6 7/8" GEL - 1 1/2" H <sub>2</sub> O
	1530							4 <sup>TH</sup> PLUG DOWN - 320' RIG LAYING DOWN D.P. PUSH PLUG DOWN 40' C.M.T. 40' - 10 SKS RAT HOLE - 15 SKS MOUSE HOLE - 10 SKS
	1600							FINISH PLUGGING WASH UP & RACK UP JOB COMPLETE

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MAY 14 1992

CONSERVATION DIVISION  
Wichita

CUSTOMER

**HALLIBURTON SERVICES**  
**JOB LOG**

WELL NO. **ORIGINAL** LEASE **HARRIS**  
CUSTOMER **WESS OIL CO.**

TICKET NO. **216078**

PAGE NO. **1**

FORM 2013 R-2

JOB TYPE **CMT. SURF. CSNG.**

DATE **3-14-92**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
3-13-92	2300							CALLED OUT
3-14-92	0115							ON LOC. - Rig DRILLING
	0115							REQUESTED - A.S.A.P.
	0315							Rig pulling D.C.
	0335							Rig STARTING CASING
	0505							Rig BREAKING CIRCULATION
	0510	5	5 BBL	1		150		ST. 5 BBL OF H <sub>2</sub> O
	0512	5	38 BBL	1		175		ST. 165 SK. OF 60/40 POC 1/270 GEL, 370 cc
	0520	5		1		200		FINISH CMT. - TURN PLUG LOOSE
	0524	5	16 3/4 BBL	1		100		START Displ.
	0530	4		1		200		FINISH Displ - PLUG DOWN.
								CIRCULATED 2 BBL OUT FLOW DITCH.
								WASH UP & RACK UP.
	0600							JOB COMPLETE.

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STATE  
MAY 14 1992  
CONSERVATION

CUSTOMER