

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

Operator: License # 5663

Name: Hess Oil Company

Address P. O. Box 1009

City/State/Zip McPherson, KS 67460

Purchaser: Conoco

Operator Contact Person: Bryan Hess

Phone (316) 241-4640

Contractor: Name: Glaves Drilling Co., Inc.

License: 30864

Wellsite Geologist: James C. Hess

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:

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. \_\_\_\_\_

10-29-97 11-6-97 12-3-97  
Spud Date Date Reached TD Completion Date

API NO. 15- 113-21268-0000

County McPherson

100' S of \_\_\_\_\_ E  
N2 - NW - NW - \_\_\_\_\_ Sec. 29 Twp. 21 Rge. 1 X W

440 Feet from /N (circle one) Line of Section

660 Feet from /W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Huxman Well # 16

Field Name Grabber

Producing Formation Hunton

Elevation: Ground 1480' KB 1485'

Total Depth 3460' PBD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 204 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 Att 1, 6-10-98 v.c.  
(Data must be collected from the Reserve Pit)

Chloride content 10000 ppm Fluid volume 40 bbls

Dewatering method used removed

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name Hess Oil Company

Lease Name J. C. Goering License No. 5663

SW Quarter Sec. 29 Twp. 21 S Rng. 1 /W

County McPherson Docket No. D-14301

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 207B, 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.

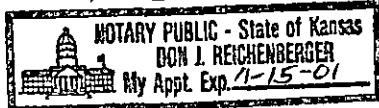
Signature Bryan Hess

Title Bryan Hess, Manager Date 4-10-98

Subscribed and sworn to before me this 10th day of April,  
19 98.

Notary Public Don J. Reichenberger

Date Commission Expires 11-15-01



RECEIVED

KANSAS CORPORATION COMMISSION  
K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
CONSERVATION Distribution  
KCC WICHITA, KS SWD/Rep \_\_\_\_\_ NGPA  
KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other \_\_\_\_\_  
(Specify)

JAN 1970

Operator Name Hess Oil Company Lease Name Huxman Well # 16

Sec. 29 Twp. 21 Rge. 1  East  West  
 County McPherson

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  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)  
 List All E.Logs Run: Radiation Guard  
 Gamma Ray Neutron

Log		Formation (Top), Depth and Datums		Sample
Name	Top	Datum		
		Sample	Log	
Lansing	2289'			(-808')
Kansas City	2380'			(-895')
Base Kansas City	2706'			(-1221')
Mississippi			2911'	(-1426')
Osage			2938'	(-1453')
Kinderhook Shale	3208'			(-1723')
Hunton			3274'	(-1789')
Maquoketa	3314'			(-1829')
Viola			3374'	(-1889')
Simpson Sand			3408'	(-1923')
RTD & LTD			3460'	(-1975')

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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	12-1/4"	8-5/8"	20#	204'	Class A	150	3% cc
Production	7-7/8"	5-1/2"	14#	3458'	EA-2	200	5% calseal 18% salt 0.5% Halad 322

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	Perf. 3406'-3408'	150 gal. 23% HCl NE acid	4306'-3408'
	Set bridge plug @ 3390'		
3	Perf. 3274'-3278'	150 gal. 23% HCl NE acid	3274'-3278'

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2-3/8"	3400'				
Date of First, Resumed Production, SWD or Inj.			Producing Method				
12-18-97			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gravity
	10		0		47		37

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled 3274'-3278'

Production Interval  Other (Specify) \_\_\_\_\_

SERVICE TICKET

UNITED CEMENTING & ACID CO., INC.

No 4607

BOX 712

EL DORADO, KANSAS 67042

PHONE AC 316-321-4680

DATE 10-31-77 COUNTY McPherson  
 CHG. TO: Nass Oil Co. ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
 LEASE & WELL NO. Hickman #16 SEC. 29 TWP 21S RNG. 1W  
 CONTRACTOR Glaves Drlg TIME ON LOCATION 12:00A  
 KIND OF JOB \_\_\_\_\_

SERVICE CHARGE:		MATERIAL USED ORIGINAL		
QUANTITY		TYPE		
150	Class A	@	5.40	810.00 x
4	Calcium Chloride	@	24.00	96.00 x
154	BULK CHARGE <u>50</u>	@	85	130.90 x
53	BULK TRK. MILES ( <u>1.50 hrs X 1.63 X 53 miles</u> )			250.43 x
	PUMP TRK. MILES			
1	PLUGS <u>85/8 Wooden Kicker Cap</u>			41.00 x
	SALES TAX			78.37
	TOTAL			1,806.70

T. D. 214 CSG. SET AT 212 VOLUME \_\_\_\_\_  
 SIZE HOLE 12 1/4 TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
 MAX. PRESS. \_\_\_\_\_ SIZE PIPE 85/8  
 PLUG DEPTH 192 PKER DEPTH \_\_\_\_\_  
 PLUG USED Wooden Cap TIME FINISHED 2:30A

REMARKS:  
Ran 85/8 to 212' - Break Circulation - Mixed & Pumped 150 st Class A 3% - Release Plug and Displace to 192' with 12.25 BBHs H<sub>2</sub>O

Cement Deal RECEIVED  
WICHITA COUNTY COMMISSION

EQUIPMENT USED  
 NAME Phillip UNIT NO. \_\_\_\_\_ NAME Corey UNIT NO. \_\_\_\_\_  
 APR 13 1998  
 CONSERVATION DIVISION  
 WICHITA, KS  
 \_\_\_\_\_  
 CEMENTER OR TREATER OWNER'S REP.



**JOB SUMMARY** 4239-1

TICKET # <b>196501</b>	TICKET DATE <b>11-7-97</b>
BDA / STATE <b>KS</b>	COUNTY <b>McPherson</b>
PSL DEPARTMENT <b>SMY</b>	CUSTOMER REP / PHONE <b>JAMIE HESS 316-241-4640</b>
API / UWI # <b>113-212680000</b>	JOB PURPOSE CODE <b>035</b>

REGION <b>North America</b>	NW/COUNTRY <b>Mid Cont</b>
MBU ID / EMP # <b>HA 0102 57720</b>	EMPLOYEE NAME <b>RON BERENS</b>
LOCATION <b>HAYS</b>	COMPANY <b>Hess Oil Co.</b>
TICKET AMOUNT	WELL TYPE <b>01</b>
WELL LOCATION <b>S.E. McPherson</b>	DEPARTMENT <b>SMY</b>
LEASE / WELL # <b>HUXMAN #16</b>	SEC / TWP / RNG <b>29-21-1</b>

HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS
R. BERENS 57720			
C. DODSON H 7804			
B. CHATMAN H 7804			

**ORIGINAL**

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420624	286						
513740	286						
52418	286						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth **3460'**

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
11-7-97	23:30	02:00	02:10	06:00

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe 5 1/2	1	HOKCO
Centralizers 5 1/2	5	"
Bottom Plug		
Top Plug 5 1/2	1	"
Head		
Packer		
Other		

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	14	5 5/8	6.6	34.58'	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty	
Other	<b>Mud Lbl 34 3202 RLS</b>	
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
11-7	5:15	11-7	5:12	SMY 3 1/2" LONG TO TRIP
<b>TOTAL 5:15</b>		<b>TOTAL 5:15</b>		

**HYDRAULIC HORSEPOWER**  
 Avail. \_\_\_\_\_ Used \_\_\_\_\_  
**AVERAGE RATES IN BPM**  
 Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
**CEMENT LEFT IN PIPE**  
 Reason **SAC JOINT**

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	RECEIVED	YIELD	LBS/GAL
1	200	EA-2	B	5% CALSOAL, 18% SALT, 5% HALLAD 325	KANSAS CORPORATION	11200	105.25
<b>APR 13 1998</b>							

Circulating _____	Displacement _____	Preflush: Gal - BBI	12 CONSERVATIVE
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI	WICH Pad: BBI - Gal
Average _____	Frac Gradient _____	Treatment Gal - BBI	Disp: BBI - Gal 84.2
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI	4.575
		Total Volume Gal - BBI	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_  
**THE INFORMATION STATED HEREIN IS CORRECT** CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_



JOB LOG 4239-5

TICKET #	170 301	TICKET DATE	11-2-97
REGION	North America	BDA / STATE	KS
NWA/COUNTRY	USA	COUNTY	McPherson
MBU ID / EMP #	87734	PSL DEPARTMENT	
LOCATION		CUSTOMER REP / PHONE	716-241-4010
TICKET AMOUNT		API / UWI #	15-312130000
WELL LOCATION		DEPARTMENT	
LEASE / WELL #		SEC / TWP / RNG	
		JOB PURPOSE CODE	

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	23:30							Called out 11-6-97
	02:00							On loc rig rigging up to run pulsator w/ 5" cent guide shoe insert plug up TRK on loc set up CMT w/ 200 gals EAL 5% CAL SEAL 18% SALT, 15% HALAD-322
	03:00							Hock up to rig pump to circ ball through
	05:30	3	12			100		Hock up to P.T. to pump Mud Flush
	05:37	5	49			200		ST pumping CMT
	05:49							RTMIXING CMT shut down to wash pump clean out
	05:57	6						ST disp CMT
	06:08	6	845			1200		Plug Landed rel PSI to TRK dry up wash up pack up Job comp

RECEIVED  
KANSAS CORPORATION COMMISSION

APR 13 1998

CONSERVATION DIVISION  
WICHITA, KS

ORIGINAL

HESS OIL COMPANY

225 N. Market, Suite 300  
Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

HUXMAN #16

N/2 NW NW of

SECTION 29 - 21S - 1W

McPHERSON COUNTY, KANSAS

15-113-21268

Commenced:	10-30-97	Elevations:	1480' GR, 1485' KB
Completed:	11-7-97	Surface Pipe:	8-5/8" @ 204' KB
Contractor:	Glaves Drilling Co.	Production Pipe:	5 1/2" @ 3456' KB

One foot drilling time was kept from 2200' to rotary total depth. Ten foot drilling samples, (wet only) were kept from 0-2850' to 1600' total depth.

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

APR 13 1998  
CONSERVATION DIVISION  
WICHITA, KS

LANSING

2289 (-804)

# HESS OIL COMPANY

225 N. Market, Suite 300  
Wichita, Kansas 67202

(316) 263-2243

Huxman #16  
Page 2

KANSAS CITY 2380 (-895)

BASE KANSAS CITY 2706 (-1221)

MISSISSIPPI 2897 (-1412)

2897-2910' KB White (some green & V.C.) sharp chert. No show and No odor!?! Some barron "on edge" porosity. Looks like a tray of colored glass.

At top of Osage 2932' KB the Mississippi changes from chert to dolomite for 30+ feet, then it changes back to chert. The bottom half of the Mississippi changes to Grey "tight" dolomite from 3034' to 3208' KB. No shows or odor!

KINDERHOOK SHALES 3208 (-1723)

HUNTON 3271 (-1786)

3271-80' KB White to light grey sharp chert. Pieces of Tan very finely crystalline, dense, dolomite. Slight show of free oil in dolomite w/fair intercrystalline porosity, good cut, weak stain, and a very strong odor!

3280-88' KB Tan to brown, fine to medium crystalline, dense, dolomite. Great show of free oil in good intercrystalline porosity, strong odor, good stain, and a great cut.

3294-99' KB Tan, finely crystalline, dense, limestone. Weak show of free oil in poor to fair intercrystalline porosity, light odor, fair stain, and a weak cut.

MAQUOKETA SHALES 3314 (-1829)

VIOLA 3371 (-1886)

SIMPSON SAND 3406 (-1921)

3406-15' KB Clear, medium grained, well sorted, well rounded, sandstone clusters. Great show of free oil in good intergranular porosity, good stain, strong odor, and a very strong cut.

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KANSAS CORPORATION COMMISSION

APR 13 1998

CONSERVATION DIVISION  
WICHITA, KS

# HESS OIL COMPANY

225 N. Market, Suite 300  
Wichita, Kansas 67202

(316) 263-2243

Huxman #16  
Page 3

## SIMPSON SAND

(cont. )

3417-27' KB

Clear, medium to large grained, well sorted, well rounded, sandstone clusters. Good show of free oil in good intergranular porosity, fair odor, good stain, and a good cut.

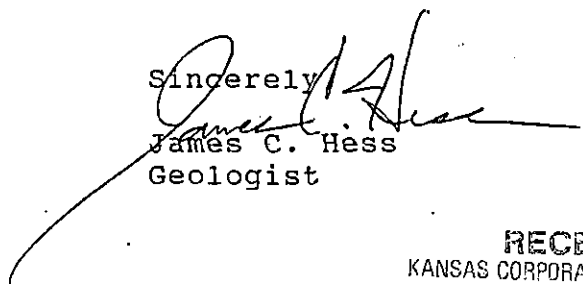
ROTARY TOTAL DEPTH

3460 (-1975)

No drill stem tests were taken, because we were drilling the 16th well on this quarter section and our tops had reasonable datums. A log was run from TD to 500' KB to confirm our tops, and look for any possible shallow zones. Several shallow zones were found on the log and should have samples caught across them on the next well drilled in the area. The log also will help us to pick the best spots to perforate in the Mississippi, Hunton, and Simpson Sand.

108 joints of 5½" 14.50# casing were run and set at 3455' KB with a 22' shoe joint. The casing was cemented with 200 sx of EA-2 expanding cement after running 500 gals. of chemical mud flush. The plug landed at 1200# and the float collar held. The top plug should be below 3430' KB !?! The top casing collar was set 1' below ground level with a 8-5/8" x 5½" braden head. Plug landed @ 6:30 am on 11 - 7 - 97. [centralizers @ 3433', 3401', 3274', 2959', and 2927' KB]

Sincerely,

  
James C. Hess  
Geologist

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KANSAS CORPORATION COMMISSION

APR 13 1998

CONSERVATION DIVISION  
WICHITA, KS