

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- 051-24,779-00-00

County Ellis

Approx. -N/2 - N/2-SW Sec. 13 Twp. 11S Rge. 20 ^E _W

Operator: License # 5663

Name: Hess Oil Company

Address P.O. Box 1009

City/State/Zip McPherson, KS 67460

Purchaser: Clear Creek, Inc.

Operator Contact Person: Bryan Hess

Phone (316) 241-4640

Contractor: Name: Murfin Drilling Company, Inc

License: 30606

Wellsite Geologist: James C. Hess

Designate Type of Completion
 New Well Re-Entry

Oil SWD SLOW Temp. 3-13-92
 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 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

01-23-92 01-30-92 2-14-92
Spud Date Date Reached TD Completion Date

2310 Feet from (S)N (circle one) Line of Section

3780 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 Schonthaler Well # 1

Field Name Wildcat

Producing Formation Lansing

Elevation: Ground 2000' KB 2005'

Total Depth 3666' PBTB 3644'

Amount of Surface Pipe Set and Cemented at 214 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1371-73 Feet

If Alternate II completion, cement circulated from 1371

Set depth to surface w/ 300 sx cmt.

Drilling Fluid Management Plan 3-24-92
(Data must be collected from the Reserve Pit)

Chloride content 30,000 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. _____

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

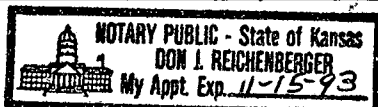
Title Bryan Hess Mgr. Date 3-5-92

Subscribed and sworn to before me this 5th day of March, 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
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)



Operator Name Hess Oil Company

Lease Name Schonthaler

Well # 1

Sec. 13 Twp. 11S Rge. 20

East
 West

County Ellis

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.)

Log Formation (Top), Depth and Datum Sample
Name Top Datum

(See attached)

List All E.Logs Run:

Dual Induction Laterolog
Compensated Density Dual Spaced Neutron
Compensated Sonic

CASING RECORD

New 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"		214'	60/40 poz	150	2% gel, 3% cc
production	7-7/8"	5-1/2"	15.5	3644'	60/40 poz	200	2% gel, 10% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Alternate II	0-1371'	Lite	250	
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone		and 60/40 Poz	50	2% gel, 2% cc

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	3378-80'		
3	3334-38'		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-7/8"	3430'		

Date of First, Resumed Production, SWD or Inj.	Producing Method
2-18-92	<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	115 Bbls.	Gas	Mcf	Water	0 Bbls.	Gas-Oil Ratio	27 Gravity

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

3334' - 3380'

15-051-24779-00-00

ORIGINAL

Hess Oil Company

Schonthalder #1
 Approx. N/2 N/2 SW 13-11-20W
 Ellis County, KS

DST #1: 3290' - 3410'. 30-60-60-90. Strong blow. Gas to surface end of first shut-in. Rec. 3046' FGO, grav. 29. IH 1655, IF 504-876, FF 1091-1149, ISI 1091, FSI 1205, FH 1645. Tmp. 105.

DST #2: 3410' - 3460'. 30-60-60-90. Strong blow bottom of bucket in 17 min. 2nd open - bottom of bucket in 30 min. Rec. 120' Mud w/ trace Oil, and 415' SW chl. 50,000. IH 1708, IF 67-134, FF 192-307, ISI 1200, FSI 1200, FH 1698. Tmp. 105.

DST #3: 3568' - 3622'. Packer failure - misrun.

DST #4: 3502' - 3622'. 60-60-60-90. Fair blow 12". 2nd open - 7" blow. Rec. 494' MSW w/ trace Oil. IH 1882, IF 125-211, FF 307-336, ISI 336, FSI 1085, FH 1805. Tmp. 107.

	<u>SAMPLE TOPS</u>	
Anhydrite	1376	(+629)
Base Anhydrite	1424	(+581)
Topeka	3037	(-1032)
Heebner	3259	(-1254)
Lansing	3298	(-1293)
Muncie Creek Shale	3416	(-1411)
Base Kansas City	3521	(-1516)
Marmaton	3543	(-1538)
Arbuckle	3618	(-1613)
R.T.D.	3665	(-1660)
E.T.D.	3666	(-1661)

RECEIVED
 STATE CORPORATION COMMISSION
 3-13-1992
 MAR 13 1992
 CONSERVATION DIVISION
 12-54-100

15-051-24779-00-00
ORIGINAL

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

1901

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	1-23-92	Sec.	13	fwp.	11s	Range	20w	Called Out	4:30pm	On Location	6:30pm	Job Start	8:15pm	Finish	8:45pm
Lease	SCHONTHALER Well No. #1			Location T-70 Yocemento Exit				County	FILLIS		State	KANSAS			
Contractor	MURFIN DRILL RIG #3							Owner	N. To River 4W 1/4 N 1/2 E						
Type Job	SURFACE														
Hole Size	12 1/4		T.D.	214											
Csg.	8 5/8		#	Depth	214										
Tbg. Size	Depth														
Drill Pipe	Depth														
Tool	Depth														
Cement Left in Csg.	15'		Shoe Joint												
Press Max.	Minimum														
Meas Line	✓ 200'		Displace	✓ 12 3/4											
Perf.															

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Hess Oil Company
Street Box 905
City McPherson State Kan 67460
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
X Keith VanBelt
CEMENT

Amount Ordered 150 SK 69/40 290gal 32cc

Consisting of	Common	90 SKs @ 5.25	472.50
	Poz. Mix	60 SKs @ 2.25	135.00
	Gel.	RECEIVED SKs @ 6.75	N/C
	CHILIE CORPORATION COMMISSION	SKs @ 21.00	84.00
Quickset			

MAR 13 1992

3-13-1992

Handling	1.00 Per SK	150.00
Mileage	.04 Per Tax Mile	1.20.00
	20 miles	
	Sub Total	
	Total	961.50

EQUIPMENT

Pumptrk #177	No.	Cementer	[Signature]
		Helper	[Signature]
Pumptrk #218	No.	Cementer	
		Helper	
Bulktrk #218		Driver	Mark
Bulktrk		Driver	

DEPTH of Job

Reference:	Pump Truck CHRG.	380.00
	2.00/Per Mile	40.00
	1-8 5/8 Wooden Plug	42.00
	Sub Total	
	Tax	
	Total	462.00

Remarks:

Cement CIRCULATED

[Signature]

15-051-24779-00-00



JOB ORIGINAL SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Eastern #1
Hays Ks

BILLED ON TICKET NO. 203519

WELL DATA
FIELD _____ SEC. 13 TWP. 11^S RNG. 13^W COUNTY Ellis STATE Ks

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA DV TOTAL DEPTH 6373'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	W	14.15	5 1/2	0	3671	
LINER						
TUBING						
OPEN HOLE			7 1/8	3671	3665	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR Multiple Strands	1	Hessner
FLOAT SHOE Inset	1	"
GUIDE SHOE Plug Set	1	"
CENTRALIZERS 5-11	4	"
BOTTOM PLUG Cent Basket	1	"
TOP PLUG		
HEAD 5 1/2"	1	"
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 1-30-92	DATE 1-30-92	DATE 1-30-92	DATE
TIME 16:00	TIME 20:00	TIME 21:30	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
J Backer	4000b	Hays Ks
A Gabel	3772	"
D Ash	BT 0530	"
D Rothermeyer	13T	"
G Palmborg	3763	"

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API
DISPL. FLUID _____ DENISTY _____ LB/GAL-API
PROP. TYPE _____ SIZE _____ LB
PROP. TYPE _____ SIZE _____ LB
ACID TYPE _____ GAL _____ %
ACID TYPE _____ GAL _____ %
ACID TYPE _____ GAL _____ %
SURFACTANT TYPE _____ GAL _____ IN
NE AGENT TYPE _____ GAL _____ IN
FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN
GELLING AGENT TYPE _____ GAL-LB _____ IN
FRIC. RED. AGENT TYPE _____ GAL-LB _____ IN
BREAKER TYPE _____ GAL-LB _____ IN
BLOCKING AGENT TYPE _____ GAL-LB _____ IN
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT Cement
DESCRIPTION OF JOB Cent 5 1/2" Prod Cas (2stage)
JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
CUSTOMER REPRESENTATIVE [Signature]
HALLIBURTON OPERATOR [Signature]
COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	200	60-40P	B	B	296 gal 10" Salt	1.30	14.53
2	250	HLC	B	B	4" Flocc	1.97	12.4
2	50	60-40P	B	B	396 gal 29CC + 4" Flocc	1.36	14.7

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESUSH: BBL-GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL. BBL-GAL. _____
SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. 116.2 Bottom (87.7+12.1) 99.8 Top
TOTAL VOLUME: BBL-GAL. _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
FEET 13 REASON Shoe Joint

REMARKS
See Job Log
[Signature]

CUSTOMER Hess Oil Co
LEASE Schrockeler
WELL NO. 1
JOB TYPE Cent Prod Cas
DATE 1-30-92

HALLIBURTON SERVICES
JOB LOG

15-051-024779-00-00

ORIGINAL

WELL NO. Schonthaler LEASE Schonthaler TICKET NO. 208549

CUSTOMER Hess Oil Co PAGE NO. 1

JOB TYPE Cont 5th Prod. Csg. (staging) DATE 1-30-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	16:00							Called Out
	20:00							On loc
	21:30							Spat + Set up Equip - Plan Job
	23:05							Start 5 th Csg in Hole
	23:10							Psg in Hole 7/8" DV @ 1373'
	23:42							Hook up PC + Manifold
	23:54							Break Circ 7/8" Rig Pump
	00:10							Hook up to PT
	00:11							250 Start Mix Cmt
	00:30							200 sk 60-40 Pa 7/8" 6" 2" 16" 10" Salt
	01:00							175 Finish Mix Cmt
	01:30							Release Plug + Wash out Pumped lines
	01:52							200 Start Displ (54000 water + 35 BBL Mud)
	01:53							600 Finish Displ
	01:53							1000 Plug Landed
	01:53							0 Release Pres - Float Held (Dried up)
	01:53							1450 Open DV + Pump 15 BBL - Circ 7/8" Rig Pump
	01:53							175 Start Mix Cmt
	01:53							250 sk HLC 7/8" 1/4" Floccle
	01:53							50 sk 60-40 Pa 7/8" 6" 2" 16" 10" 1/4" Floccle
	01:53							50 Finish Mix Cmt
	01:53							Release Plug
	01:53							Plug Rat Hole 7/8" 15 sk Cmt
	01:53							50 Start Displ
	01:53							1100 Finish Displ Cmt Did Circ
	01:53							1700 Plug Landed
	01:53							Job Complete

Job Complete
Thank you for your time
1/30/91

15-051-24779-00-00

HESS OIL COMPANY ORIGINAL

412 East Douglas, Suite One
Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

SCHONTHALER #1

2310' FSL, 1500' FWL of

SECTION 13 - 11S - 20W

ELLIS COUNTY, KANSAS

Commenced:	1-23-92	<p style="text-align: center;">RECEIVED STATE CORPORATION COMMISSION MAR 13 1992 3-13-1992 OBSERVATION DIV.</p>	Elevations:	2000' GR, 2005' KB
Completed:	1-31-92		Surface Pipe:	200' of 8-5/8"
Contractor:	Murfin Drilling Co.		Production Pipe:	5 1/2" set at 3644' KB.
Production:	Lansing (upper zones)			

One foot drilling time was kept from 1350' to 1450' KB and from 3000' to total depth. Ten foot samples (wet & dry) were also kept from 3000' 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>1376</u>	<u>(+629)</u>
<u>BASE ANHYDRITE</u>	<u>1424</u>	<u>(+581)</u>

15-051-247A-00-00

HESS OIL COMPANY ORIGINAL

412 East Douglas, Suite One
Wichita, Kansas 67202

(316) 263-2243

Schonthaler #1
Page 2

TOPEKA

3037 (-1032)

3204-18' KB

White, very finely crystalline, dense, limestone. Very slight show of free oil in very poor intercrystalline porosity, no odor, slight stain, and a weak cut.

HEEBNER

3259 (-1254)

LANSING

3298 (-1293)

3330-34' KB

White, very finely crystalline, dense, limestone. Slight show of free oil in very poor intercrystalline porosity, no odor, fair stain, and a fair cut.

3334-39' KB

Tan, very finely crystalline, slightly oolitic, limestone. Fair show of free oil in poor intercrystalline porosity, no odor, good stain, and a strong cut.

3374-82' KB

White, very finely crystalline, fossiliferous, slightly micritic, limestone. Fair show of free oil in poor intercrystalline porosity, no odor, fair stain, and a strong cut.

3388-92' KB

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

Drill Stem Test #1

STATE CORPORATION COMMISSION

RECEIVED

3-13-1992

MAR 13 1992

3290 to 3410' KB

120' Anchor

Blow: Bottom of the bucket throughout test.

Blow: Gas to surface at end of 1st shut in.

Times: Open 30, Closed 60, Open 60, Closed 90.

Recovered: 3046' Clean Gassy Oil (29 Gravity)

Pressures: IH 1679# IF 500-855# ISIP 1076#
FH 1650# FF 1076-1171# FSIP 1190#

15-051-24779-00-00
HESS OIL COMPANY

ORIGINAL

412 East Douglas, Suite One
Wichita, Kansas 67202

(316) 263-2243

Schonthalder #1
Page 3

MUNCIE CREEK SHALE

3416 (-1411)

3427-30' KB

White, very finely crystalline, limestone. Very slight show of free oil in very poor intercrystalline porosity (some on edge fracture porosity), no odor, slight stain, and a weak cut.

3439-44' KB

White, very finely crystalline, dense, limestone. Fair show of free oil in poor intercrystalline porosity, no odor, fair stain, and a strong cut.

3448-55' KB

White, very finely crystalline, dense, (slightly chalky) limestone. Fair show of free oil in poor intercrystalline porosity, no odor, good stain, and a strong cut.

Drill Stem Test #2

3410' to 3460' KB

50' Anchor

Blow: bottom of bucket in 7 min. and bottom of bucket in 30 min. on 2cd opening.

Times: Open 30, Closed 60, Open 60, Closed 90.

Recovered: 120' Oil Specked Mud

415' Oil Cut Salt Water

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STATE CORPORATION COMMISSION

3-13-1992
MAR 15 1992

Pressures: IH 1708# IF 67-134# FSIP 1200#
FH 1698# FF 192-307# FSIP 1200#

3460-72' KB

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

3486-93' KB

Grey, very finely crystalline, dense, slightly oolitic, limestone. Fair show of free oil in very poor to poor intercrystalline porosity, no odor, good stain, and a fair cut.

BASE KANSAS CITY

3521 (-1516)

HESS OIL COMPANY

412 East Douglas, Suite One
Wichita, Kansas 67202

(316) 263-2243

Schonthalder #1
Page 4

MARMATON

3543 (-1538)

3592-98' KB

White, very finely crystalline, dense, limestone. Slight show of free oil in very poor "on edge" porosity, no odor, weak stain, and a weak cut.

ARBUCKLE

3618 (-1613)

3618-24' KB

White, medium crystalline, dense, dolomite. Good show of free oil in fair intercrystalline porosity, strong odor, good stain, and a strong cut.

Drill Stem Test #3

3568' to 3622' KB

54' of Anchor

Misrun: Packer Failure.

Drill Stem Test #4

3502' to 3622' KB

120' of Anchor

Blow: Slow build to 12" on 1st opening.
Slower build to 7" on 2cd opening.

Times: Open 60, Closed 60, open 60, Closed 90.

Recovered: 494' Mud Cut Salt Water (w/trace of oil)
62,000 ppm

Pressures: IH 1882# IF 125-211# ISIP 336#
FH 1805# FF 307-336# FSIP 1085#

Note: Some plugging action on 1st opening, may not have closed completely on 1st shut in.

RECEIVED
STATE CORPORATION COMMISSION
3-13-1992
MAR 13 1992

ROTARY TOTAL DEPTH

3665 (-1660)

CONSERVATION DIVISION

Dual induction & Neutron Density logs were run for well evaluation. Log TD was 3666' KB and log tops were within 2' of sample tops. 5½" Casing was run to the Arbuckle formation and cemented to surface.

Sincerely,

James C. Hess
Geologist