

FORM MUST BE TYPED

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: Cooperative Refining, LLC

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 Workover

Oil SWD SIOW 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 _____ PBTD

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

1-20-00 1-30-00 2-22-00

Spud Date Date Reached TD Completion Date

SIDE ONE

API NO. 15- 051-25019-0000

County Ellis

Approx S2 S2 SE NW Sec. 2 Twp. 11 Rge. 19 X W

2560 Feet from /N (circle one) Line of Section

1850 Feet from /W (circle one) Line of Section

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

Lease Name Teet-Bill Well # 1-2

Lease Name _____

Boring Formation Topeka/Kansas City

Location: Ground 2085' KB 2090'

Total Depth 3700' PBTD _____

Amount of Surface Pipe Set and Cemented at 219 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 1342 Feet

If Alternate II completion, cement circulated from 1342

feet depth to surface w/ 200 sx cmt.

Drilling Fluid Management Plan AH 2 7-11-00 (Data must be collected from the Reserve Pit)

Chloride content 4000 ppm Fluid volume 500 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, 130 S. Market - Room 2078, 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.

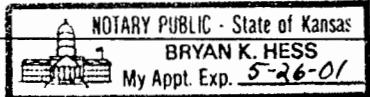
Signature Dick Hess

Title Dick Hess, President Date 5-17-00

Subscribed and sworn to before me this 17th day of May, 2000.

Notary Public Bryan K. Hess

Date Commission Expires



K.C.C. OFFICE USE ONLY	
F <input type="checkbox"/> Letter of Confidentiality Attached	
C <input checked="" type="checkbox"/> Wireline Log Received	
C <input checked="" type="checkbox"/> Geologist Report Received	
Distribution	
<input checked="" type="checkbox"/> KCC <input type="checkbox"/> KGS	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> Plug <input checked="" type="checkbox"/> Other (Specify) <u>IDG</u>
<input checked="" type="checkbox"/> NGPA	

Form ACO-1 (7-91)

Operator Name Hess Oil CompanySec. 2 Twp. 11 Rge. 19 East West

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
(Attach Additional Sheets.) Yes No

Samples Sent to Geological Survey

 Yes No

Cores Taken

 Yes NoElectric Log Run
(Submit Copy.) Yes NoList All E.Logs Run: Dual Induction
Dual Compensated Porosity
Borehole Compensated Sonic
Microresistivity

Log Name	Formation (Top), Depth and Datums	Sample Datum
Anhydrite	1391'	(+699')
Base Anhydrite	1422'	(+668')
Neva	2482'	(-392')
Topeka	3015'	(-925')
Heebner	3234'	(-1144')
Toronto	3255'	(-1165')
Lansing	3278'	(-1188')
Base Kansas City	3495'	(-1405')
Conglomerate	3512'	(-1422')
Simpson Sand	3559'	(-1469')
Arbuckle	3599'	(-1509')
RTD & LTD	3700'	(-1610')

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"	20	219'	common	145	3%cc, 2%gel
Production	7-7/8"	5-1/2"	14.5	3692'	Mid-Con 2	165	
	DU-Tool			1342'	and EA-2	200	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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
	(See attached)		

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-7/8"	3565'			

Date of First, Resumed Production, SWD or Inj. 2-23-00	Producing Method	<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.	Gas-Oil Ratio	Gravity
	70	0	25		35

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease
(If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled 3044'-3492'

Other (Specify) _____

ACO-1 Completion Form Attachment**Teet-Bill #1-2**

**Approx. S2 S2 NW Section 2-11-19W
Ellis County, Kansas**

DST #1: 3030'-3057'. 60-45-30-0. Initial flow: Tool slid 7' when opening and then slid 2'more during initial flow. Bled off blow & had surface blow building to 1/2". Final flow: Very weak surface blow (tool slid another 6"). Rec. 120' slightly oil cut mud (10% oil, 90% mud), 30' slightly oil cut mud (5% oil, 95% mud). IH 1406#, IF 43-83#, ISI 806#, FF 86-94#, FSI —, FH 1396#.

DST #2: 3297'-3362'. 30-45-30-45. Initial flow: Strong blow - bottom of bucket in 90 sec. Initial shut-in: Blow built to bottom of bucket in 7 min. Final flow: Strong blow bottom of bucket in 3 min. Final shut-in: Blow built to bottom of bucket in 8 min. Rec. 1095' gas in pipe, 1575' gassy oil (25% gas, 75% oil). IH 1586#, IF 94-445#, ISI 830#, FF 458-607#, FSI 825#, FH 1540#.

DST #3: 3364'-3410'. 30-60-30-60. Initial flow: Weak 1/2" blow built to 1-1/4". Initial shut-in: no blow. Final flow: Weak surface blow. Rec. 20' oil specked slightly water cut mud (3% oil, 10% water, 87% mud). IH 1640#, IF 18-25#, ISI 796#, FF 27-31#, FSI 763#, FH 1560#.

DST #4: 3408'-3440'. Missrun – Packer failure

DST #5: 3380'-3440'. 45-60-45-60. Initial flow: Weak 1/2" blow building to 2-1/4". Final flow: Surface blow building to 1-1/2". Rec. 2' clean oil (100% oil), 60' slightly oil cut mud (15% oil, 85% mud). IH 1673#, IF 36-45#, ISI 915#, FF 52-56#, FSI 770#, FH 1629#.

DST #6: 3444'-3500'. 45-60-45-60. Initial flow: 3/4" blow building to 9". Initial shut-in: Weak surface blow. Final flow: 1/2" blow building to 7". Final shut-in: Surface blow throughout. Rec. 30' gas in pipe, 30' clean oil, 60' gas cut muddy oil (10% gas, 85% oil, 5% mud), 60' gassy oil & water cut mud (10% gas, 20% oil, 10% water, 60% mud), 115' slightly oil & water cut mud (5% oil, 20% water, 75% mud). IH 1676#, IF 20-87#, ISI 1138#, FF 97-129#, FSI 1129#, FH 1657#.

DST #7: 3494'-3606'. 60-60-60-60. Initial flow: Weak 1" blow surging & building to 5". Final flow: Surface blow building to 4". Rec. 135' clean gassy oil (10% gas, 90% oil), 115' slightly oil cut mud (15% oil, 85% mud). IH 1721#, IF 24-78#, ISI 1248#, FF 85-119#, FSI 1019#, FH 1675#.

DST #8: 3604'-3616'. 30-45-30-45. Initial flow: Strong blow building to bottom of bucket in 40 sec. Initial shut-in: Weak surface blow. Final flow: Strong blow building to bottom of bucket in 90 sec. Final shut-in: No blow. Rec. 2540' salt water, chl - 30,000 ppm. IH 1784#, IF 752-1019#, ISI 1154#, FF 1081-1150#, FSI 1157#, FH 1737#.

Perforated: 3490'-92', 3470'-72', 3424'-26', 3370'-72', 3356'-60', 3338'-40', 3329'-31', 3044'-51'

RECEIVED
STATE CORPORATION COMMISSION

MCA acid: 3490'-92' and 3470'-72' 350 gal.- twice
3424'-26' 350 gal.
3370'-72' 350 gal.
3370'-72, 3356'-60', 3338'-40', 3329'-31' 600 gal.
3044'-51' 700 gal.

MAY 19 2000

CONSERVATION DIVISION
Wichita, Kansas

HESS OIL COMPANY

225 N. Market, Suite 300
Wichita, Kansas 67202

(316) 263-2243

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TOPEKA

3015 (- 925)

3042-49' KB

Tan, finely crystalline, dense, limestone.
Good show of free oil in fair intercrystalline
porosity, strong odor, good stain, and a great
cut.

DRILL STEM TEST #1

3030 to 3057' KB

27' Anchor

Blow: Tool slid 7' upon openning -- blew down and
had a slow build to 3/4". Tool kept sliding
so cut test short -- pulled 140% string weight
to get loose.

Times: Open 60, Closed 45, Open 15, Closed 0

Recovered: 120' Oil Cut Mud (10% oil, 90% Mud)
30' Oil Cut Mud (5% oil, 95% Mud)

Pressures: IH 1406# IF 73 - 83# ISIP 806#
FH 1396# FF 86 - 94# FSIP ---

3179-82' KB

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

3200-04' KB

Tan to white, finely crystalline, slightly
chalky, limestone. Fair show of free oil in
poor intercrystalline porosity, no odor, fair
stain, and fair cut.

HEEBNER

3234 (-1144)

TORONTO

3255 (-1165)

LANSING

3278 (-1188)

3308-14' KB

Tan, finely crystalline, limestone. Good
show of free oil in poor to fair intercrystalline
porosity, fair odor, good stain, and a
good cut.

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3324-30' KB Cream to tan, very fine to finely crystalline, limestone. Fair show of free oil in poor to fair intercrystalline porosity, fair odor, good stain, and a good cut.

3332-38' KB White to tan, very fine to finely crystalline, dense, limestone. Fair show of free oil in poor to fair intercrystalline porosity, fair odor, fair stain, and a good cut. (some gas bubbles!)

3343-49' KB White to tan, very fine to finely crystalline, dense, slightly fossiliferous, limestone. Good show of free oil in poor to fair intercrystalline porosity, fair odor, good stain, and a good cut. (some gas bubbles and a few good pieces)

3352-57' KB Cream to tan, very fine to finely crystalline, dense, slightly fossiliferous, limestone. Good show of free oil in fair intercrystalline porosity, fair odor, good stain, and a good cut.

DRILL STEM TEST #2 3297' to 3362' KB 65' Anchor

Blow: Bottom of bucket 90 sec. 2nd opening -- bottom of bucket in 3 minutes.

Times: Open 30, Closed 45, Open 30, Closed 45

Recovered: 1095' Gas in Pipe
1575' Gas Cut Oil 36'G

Pressures: IH 1586 IF 94-445# ISIP 830#
FH 1540# FF 438 - 607# FSIP 825#

3666-71' KB Light brown, very fine to finely crystalline, dense, limestone. Good show of free oil in fair intercrystalline porosity, good odor, good stain, and a strong cut. (few gas bubbles)

3376-90' KB Cream to tan, very fine to finely crystalline, dense, limestone. Weak shows of free oil in poor intercrystalline porosity, no odor, fair stain, and a weak cut.

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DRILL STEM TEST #3 3364' to 3410' KB 46' Anchor

Blow: Slow build to 1 $\frac{1}{4}$ ". 2nd openning -- weak surface blow.

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

Recovered: 20' Oil Cut Mud (2% oil, 98% Mud)

Pressures: IH 1640# IF 18 - 25# ISIP 796#
FH 1560# FF 27 - 31# FSIP 763#

3411-15' KB White to cream, very finely crystalline, dense, limestone. Weak show of free oil in poor inter-crystalline porosity and fair "on-edge" porosity, no odor, weak stain, and a fair cut.

3426-30' KB White to tan, very fine to finely crystalline, dense, limestone. Fair show of free oil in poor intercrystalline porosity, no odor, fair stain, and a good cut.

DRILL STEM TEST #4 3408' to 3440' KB 32' Anchor

MISRUN --- Packer Failure!

DRILL STEM TEST #5 3380' to 3440' KB 60' Anchor

Blow: Slow build to 2 $\frac{1}{4}$ ". 2nd Openning -- slow build to 1 $\frac{1}{2}$ ".

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

Recovered: 2' Clean Oil
60' Oil Cut Mud

Pressures: IH 1673# IF 36 - 45# ISIP 915#
FH 1629# FF 52 - 56# FSIP 770#

3444-51' KB White, very finely crystalline, dense, limestone. Good show of free oil in poor inter-crystalline porosity and fair "vuggy" porosity, fair odor, good stain, and a strong cut.
(2 gas bubbles)

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LANSING (cont.)

3453-56' KB

White, very finely crystalline, dense, limestone. Fair show of free oil in poor inter-crystalline porosity, weak odor, fair stain, and a good cut.

3460-66' KB

White to tan, very finely crystalline, dense, limestone. Fair show of free oil in poor inter-crystalline porosity, weak odor, good stain, and a fair cut.

3470-75' KB

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

3488-95' KB

White, very fine to finely crystalline, dense, limestone. Good show of free oil in poor to fair intercrystalline porosity, fair odor, good stain, and a strong cut.

BASE KANSAS CITY

3495 (-1405)

DRILL STEM TEST #6

3444' to 3500' KB

56' Anchor

Blow: Slow build to 9". 2nd opening -- slow build to 7½".

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

Recovered: 30' Gas
30' Clean Oil
60' Gas Cut Oil (10% Gas, 90% Oil)
60' GO&WCM (10% Gas, 20% Oil, 10% W, 60% M)
115' O&WCM (5% Oil, 20% W, 75% M)

Pressures: IH 1676# IF 20 - 87# ISIP 1138#
FH 1657# FF 97 - 129# FSIP 1129#

[Note: I estimate production @ 17½ bbls oil & 8 bbls sw/day]

CONGLOMERATE

3512 (-1422)

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CONGLOMERATE (cont.)

3512-18' KB Cream, finely crystalline, dense, limestone. Weak show of free oil in poor intercrystalline porosity, slight odor, weak stain, and a fair cut.

3522-30' KB White to tan, very fine to finely crystalline, dense, limestone. Slight show of free oil in poor intercrystalline porosity, no odor, slight stain, and a very weak cut.

SIMPSON SAND

3559 (-1469)

3559-70' KB Brown, fine to medium grained, well rounded, fairly sorted, sandstone clusters and loose grains. Good show of free oil in fair intergranular porosity, no odor, heavy stain and a strong cut. (heavy oil!)

3575-81' KB

Brown, fine to medium grained, well rounded, fairly sorted, sandstone clusters & loose grains. Also lots of brown & V.C. weathered and tripolitic chert. Good shows of heavy free oil in poor intergranular porosity and some fair "on-edge" porosity in the chert, no odor, lots of heavy stain, and a strong cut.

3583-87' KB

Fair show of free oil in SS clusters and cherts as above -- poor intergranular and poor "on-edge" porosity.

3591-99' KB

Tan to light green, weathered, tripolitic, chert. Weak to fair shows of heavy free oil in very poor "on-edge" porosity, no odor, fair stain, and a good cut.

ARBUCKLE

3599 (-1509)

3599' to 3606' KB

Tan, fine to medium crystalline, dense, dolomite. Great show of free oil in poor to fair intercrystalline porosity and good "vuggy" porosity, strong odor, great stain and a very strong cut.

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ARBUCKLE (cont.)

DRILL STEM TEST #7 3494' to 3606' KB 112' Anchor

Blow: Slow build to 5". 2nd openning -- slow build to 4"

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

Recovered: 135' Clean Gassy Oil (10% G, 90% O)
115' Oil Cut Mud (15% O, 85% M)

Pressures: IH 1721# IF 24 - 78# ISIP 1248#
FH 1675# FF 85 - 119# FSIP 1019#

3606-16' KB Tan, fine to medium crystalline, dolomite.
Great show of free oil in good intercrystalline porosity, strong odor, great stain, and a very strong cut.

DRILL STEM TEST #8 3604' to 3616' KB 12' Anchor

Blow: Bottom of bucket in 40 seconds. 2nd openning -- bottom of bucket in 90 seconds.

Times: Open 30, Closed 45, Open 30, Closed 45.

Recovered: 2540' SW Chlorides = 30,000 ppm

Pressures: IH 1784# IF 752 - 1017# ISIP 1157#
FH 1737# FF 1081 - 1150# FSIP 1157#

3616-30' KB White to tan, finely crystalline, dolomite.
Good show of free oil in fair to good intercrystalline porosity, no odor, good stain, and a strong cut.

3630-40' KB White to tan, fine to medium crystalline, dolomite.
Good show of free oil in fair intercrystalline porosity, no odor, good stain, and a strong cut.

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ARBUCKLE (cont.)

3640-50' KB White to tan, fine to medium crystalline, dense, dolomite. Good show of free oil in fair to good intercrystalline porosity, no odor, good stain, and a good cut.

3650-60' KB White, finely crystalline, dense, dolomite. Weak show of free oil in fair intercrystalline porosity, no odor, fair stain, and a weak cut.

3660-65' KB White, finely crystalline, dense, dolomite. Slight show of free oil in fair intercrystalline porosity, no odor, slight stain, and a very weak cut. (some heavy tar stain)

ROTARY TOTAL DEPTH

3700 (-1610)

A good set of Dual Induction, Compensated Neutron Density logs were run to help evaluate the well. Also a Borehole Compensated Sonic log was run to recalculate our seismic information. A Microresistivity log was run to help calculate each productive zone.

5½" 14.5# new casing was run and cemented with 200 sx of EA-II expanding cement. A D.V. Tool was set and opened at 1342' KB and cemented with 165sx of Mid-Con 2 cement. 35sx of cement circulated to the surface.

Sincerely,
James C. Hess
Geologist

HESS OIL COMPANY

225 N. Market, Suite 300
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CASING REPORT:

1-30-00 Ran 86 jts of $5\frac{1}{2}$ " 14.5# casing w/34' shoe joint. Set casing 8' off bottom.
Cemented with 200 sx of EA II expanding cement. Plug landed & held 1500#, released pressure and float collar closed & held!
1-31-00 Dropped bomb and opened D.V. Tool @ 1342' KB. Circulated mud through D.V. Tool for 4 hrs.
Cemented top stage w/165 sx of Mid-Con 2 . 35 sx circulated to pits. Plug down at 3:30am.
Set casing slips and unscrewed landing joint. Screwed in "lucky" cap.

Float Equipment as Follows:

Guide Shoe & Float Collar	3692' KB
Plug Retainer	3658' KB
Centralizers: #1	3658' KB
#2	3615' KB
#3	3529' KB
#4	3486' KB
#5	3443' KB
#6	3400' KB
#7	3357' KB
#8	3314' KB
#9	3056' KB
#10	1427' KB
Basket	1420' KB
D.V. Tool	1342' KB

Sincerely,
James C. Hess
Geologist