

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  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  PBTB  
 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

API NO. 15- 051-25019-0000  
County Ellis  
Approx S2 S2 SE NW Sec. 2 Twp. 11 Rge. 19  E  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  
Field Name \_\_\_\_\_  
Producing Formation Topeka/Kansas City  
Elevation: Ground 2085' KB 2090'  
Total Depth 3700' PBTB \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 219 Feet  
Multiple Stage Cementing Collar Used?  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 A.H. 2, 7-11-'00 U.C.  
(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. \_\_\_\_\_

CONSERVATION DIVISION  
Wichita, Kansas

MAY 19 2000

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STATE CORPORATION COMMISSION

**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.

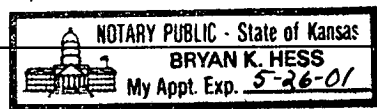
Signature Dick Hess

Title Dick Hess, President Date 5-17-00

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

Notary Public Bryan Hess

Date Commission Expires \_\_\_\_\_



**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) \_\_\_\_\_

**SIDE TWO**

Operator Name Hess Oil Company Lease Name Teet-Bill Well # 1-2

Sec. 2 Twp. 11 Rge. 19 County Ellis

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  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: Dual Induction  
 Dual Compensated Porosity  
 Borehole Compensated Sonic  
 Microresistivity

Log Name	Formation (Top), Depth and Datums Top	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	
	<i>DU-Tool</i>			<i>1342'</i>	and EA-2	200	

**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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
	(See attached)	

**TUBING RECORD** Size 2-7/8" Set At 3565' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 2-23-00 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 70 Bbls. Gas 0 Mcf Water 25 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity 35

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

**METHOD OF COMPLETION**  Open Hole  Perf.  Dually Comp.  Commingled 3044'-3492'

Other (Specify) \_\_\_\_\_

# HESS OIL COMPANY

# ORIGINAL

15-051-25019-0000

P.O. BOX 1009

McPHERSON, KANSAS 67460-1009

(316) 241-4640

## 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'
- 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.

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STATE CORPORATION COMMISSION

MAY 19 2000

# ALLIED CEMENTING CO., INC.

ORIGINAL

1000

Federal Tax I.D.

15-051-25019-0000

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <u>1/21/00</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>5:00 AM</u>	JOB START	JOB FINISH
LEASE <u>Feet - B-11</u>	WELL # <u>1-2</u>	LOCATION <u>Yocemento N. to Co line</u>			COUNTY <u>Ellis</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)				<u>1 1/2 E Sinto</u>			

CONTRACTOR Marvin A S OWNER \_\_\_\_\_

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. \_\_\_\_\_ CEMENT \_\_\_\_\_

CASING SIZE 8 3/8 DEPTH 219 AMOUNT ORDERED 145' Con 2 1/2" 121

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_ 3 7/8" CC

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_ COMMON 145 @ 6.35 920.75

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_ POZMIX \_\_\_\_\_ @ \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_ GEL 3 @ 9.50 28.50

PERFS. \_\_\_\_\_ CHLORIDE 5 @ 28.00 140.00

DISPLACEMENT 13 1/4 1351 @ \_\_\_\_\_

EQUIPMENT

PUMP TRUCK CEMENTER Paul \_\_\_\_\_ @ \_\_\_\_\_

# 345 HELPER Mark \_\_\_\_\_ @ \_\_\_\_\_

BULK TRUCK \_\_\_\_\_ @ \_\_\_\_\_

# 120 DRIVER Ron \_\_\_\_\_ @ \_\_\_\_\_

BULK TRUCK \_\_\_\_\_ @ \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_ @ \_\_\_\_\_

HANDLING @ 1.05 152.25

MILEAGE 40 / SK / MILE 150.00

TOTAL 1392.30

REMARKS:

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 470.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 26 @ 2.85 74.10

PLUG 8 5/8 @ \_\_\_\_\_ 45.00

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL 589.10

CHARGE TO: Ness Oil Co

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT

\_\_\_\_\_  
 @ **RECEIVED**  
 @ STATE CORPORATION COMMISSION  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ **MAY 19 2000**

CONSERVATION DIVISION  
Wichita, Kansas

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Louis McKenna

Louis McKenna  
 PRINTED NAME

**JOB LOG**

**SWIFT Services, Inc.**

15-051-25019-0000

DATE 7-30-2000 PAGE NO. 1

CUSTOMER Hess Oil Corp WELL NO. #1 LEASE Teete Bill JOB TYPE Two Stage ORIGINAL TICKET NO. 1968

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	12:00							Called Down
	06:00 pm							On location
	06:10							Start csq & float
	08:00 pm							Csq on bottom
	08:05							hook up to cwy
	08:15							circulate
	09:30							Done circ.
	09:30							Water pump trouble on rwy
								Pump 12 bbl mud / 200 sks EA-2
								Drop plug & wash out lines
								Displaced w/ 50 bbl water & 34 bbl mud - Total 90 bbls
						1500		Landed plug at 1500 PSI
						1500		holding
						1500		Released pressure
	10:50 pm					0		Float held
								Dropped bomb to open DV
	11:00					1300		Pressure to 1300 PSI
	11:02							DV opened
	11:05							Circulate until 2:00 AM
	02:30							Pump 108 sks / 5 water
								Pump 168 sks Swift multi directly
								Drop plug
								Started displ
	03:15							Done w/ displ
								Landed plug at 1700 PSI ✓
								Circulated sks out to pot

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MAY 19 2000

CONSERVATION DIVISION  
Wichita, Kansas

Job Complete

15051-25019-0000

**ORIGINAL Invoice**

**SWIFT SERVICES, INC.**

PO BOX 466

WESS CITY, 67560-0466

DATE	INVOICE #
1/30/00	1968

*Vok  
Jamie*

BILL TO
Hess Oil Company 225 N. Market #300 Wichita, KS 67202

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose
Net 30	# 1	Tekto-Bill	Ellis	Murfin Rig # 8	Oil	Development	Two-Stage Longstr...

PRICE REFERE...	DESCRIPTION	QTY	UNIT PRICE	AMOUNT
575D	Milage	20	2.00	40.00
579D	Pump Service Two-Stage	1	1,500.00	1,500.00
281	Mud Flush	500	0.50	250.00
407-5	5 1/2" Insert Float Shoe with Auto Fill	1	200.00	200.00T
402-5	5 1/2" Centralizers	10	40.00	400.00T
403-5	5 1/2" Cement Basket	1	110.00	110.00T
408-5	5 1/2" D.V. Tool & Plug Set	1	1,800.00	1,800.00T
325	Cement	200	6.75	1,350.00T
284	Calseal	9	20.00	180.00T
283	Salt	1,150	0.15	172.50T
285	CFR-1	100	2.75	275.00T
290	D-Air	100	2.75	275.00T
276	Flocele	50	0.90	45.00T
330	Swift Multi-Density	165	9.50	1,567.50T
276	Flocele	50	0.90	45.00T
581D	Service Charge Cement	365	1.00	365.00
583D	Drayage	374	0.75	280.50
	Subtotal			8,855.50
Discount	4% Discount		-4.00%	-354.22
	Subtotal			8,501.28
	Sales Tax		4.90%	302.00

*4113*  
**FEB 14 2000**

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**MAY 19 2000**

CONSERVATION DIVISION  
Wichita, Kansas

**Thank you for your business.**

**Total**

**\$8,803.28**



Services, Inc.

CHARGE TO: *Hess Oil*  
 ADDRESS: *P.O. Box 905*  
 CITY, STATE, ZIP CODE: *McPherson Ks 67460*

TICKET No 1968

PAGE 1 OF 1

SERVICE LOCATIONS: 1. *Ness City, Ks*  
 WELL/PROJECT NO.: *#1*  
 LEASE: *Tekete-Bill*  
 COUNTY/PARISH: *Ellis*  
 STATE: *Ks*  
 CITY: *Ness City, Ks*  
 DATE: *1-30-2000*  
 OWNER: *Gene*  
 TICKET TYPE:  SERVICE  SALES  
 CONTRACTOR: *Martin Rog #8*  
 RIG NAME/NO.:  
 SHIPPED VIA:  
 DELIVERED TO: *N/W of Hwy 5, K.*  
 ORDER NO.:  
 WELL TYPE: *oil*  
 WELL CATEGORY: *Development*  
 JOB PURPOSE: *New well - Longstring*  
 WELL PERMIT NO.:  
 WELL LOCATION:  
 REFERRAL LOCATION:  
 INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT
		LOC	ACCT	DF								
575		1			MILEAGE #103	20		mi		2	00	40.00
579		1			Pump Service - Two-stage	1		ea		1500	00	1500.00
281		1			Mud flush	500		gal		50	00	250.00
407		1			Insert Float shoe w/Asb fib	1		ea	5 1/2 in	200	00	200.00
402		1			Centralizers	10		ea	5 1/2 in	40	00	400.00
403		1			Cement Basket	1		ea	5 1/2 in	110	00	110.00
408		1			D.V. Tool w/ plug Set	1		ea	5 1/2 in	1800	00	1800.00
					See Continuation sheet							
					Continuation total							4555.50

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *[Signature]*  
 DATE SIGNED: *1-30-2000* TIME SIGNED: *8:00*  
 A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				8855.50
WE UNDERSTOOD AND MET YOUR NEEDS?				470.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				8500.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX 302.00
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL 8803.28
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: *[Signature]* APPROVAL:

Thank You!







**HESS OIL COMPANY**

225 N. Market, Suite 300  
Wichita, Kansas 67202

**(316) 263-2243**

Teet-Bill #1  
Page 2

TOPEKA3015 (- 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 #13030 to 3057' KB

27' Anchor

Blow: Tool slid 7' upon opening -- 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.

HEEBNER3234 (-1144)TORONTO3255 (-1165)LANSING3278 (-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.

**HESS OIL COMPANY**

225 N. Market, Suite 300

Wichita, Kansas 67202

**(316) 263-2243**

Teet-Bill #1

Page 3

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 #23297' 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.

**HESS OIL COMPANY**

225 N. Market, Suite 300

Wichita, Kansas 67202

(316) 263-2243

Teet-Bill #1  
Page 4DRILL STEM TEST #3                      3364' to 3410' KB                      46' Anchor

Blow: Slow build to 1¼". 2nd opening -- 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 2¼". 2nd Opening -- slow build to 1½".

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

Recovered: 2' Clean Oil  
                  60' Oil Cut MudPressures: 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)

**HESS OIL COMPANY**

225 N. Market, Suite 300

Wichita, Kansas 67202

(316) 263-2243

Teet-Bill #1

Page 5

LANSING (cont. )3453-56' KB

White, very finely crystalline, dense, limestone. Fair show of free oil in poor intercrystalline 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 intercrystalline 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 CITY3495 (-1405)DRILL STEM TEST #63444' 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 &amp; 8 bbls sw/day]

CONGLOMERATE3512 (-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 SAND3559 (-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.

ARBUCKLE3599 (-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 #73494' to 3606' KB

112' Anchor

Blow: Slow build to 5". 2nd opening -- 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' KBTan, 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 #83604' to 3616' KB

12' Anchor

Blow: Bottom of bucket in 40 seconds. 2nd opening --  
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' KBWhite to tan, finely crystalline, dolomite.  
Good show of free oil in fair to good intercry-  
stalline porosity, no odor, good stain, and a  
strong cut.3630-40' KBWhite 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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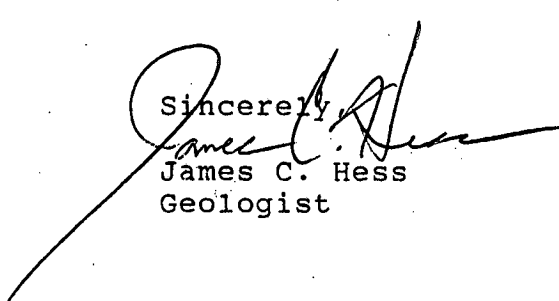
ARBUCKLE (cont. )

<u>3640-50' KB</u>	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.
<u>3650-60' KB</u>	White, finely crystalline, dense, dolomite. Weak show of free oil in fair intercrystalline porosity, no odor, fair stain, and a weak cut.
<u>3660-65' KB</u>	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



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**CASING REPORT:**

1-30-00 Ran 86 jts of 5½" 14.5# casing w/34' shoe joint. Set casing 8' off bottom.

Cemeted 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.

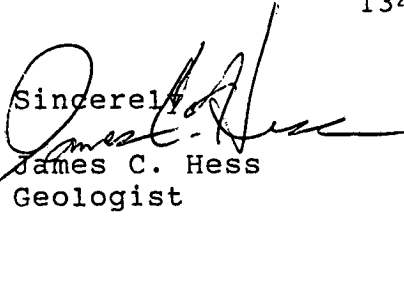
Cemented top stage w/165 sx of Mid-Con 2 . 35 sx circulated to pits. Plug down at 3:30am.

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