



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1077090

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
---	---

CASING RECORD <input type="checkbox"/> New <input 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

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
-----------------------------------	-----------	---------	-------------	---------------	---------

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
---	--	--

Form	ACO1 - Well Completion
Operator	Hess Oil Company
Well Name	Wandelene 2
Doc ID	1077090

Tops

Name	Top	Datum
Anhydrite	1530	+743
Base Anhydrite	1567	+706
Heebner	3661	-1388
Lansing	3704	-1431
Base Kansas City	3982	-1709
Pawnee	4080	-1807
Fort Scott	4171	-1898
Cherokee Shale	4190	-1917
Mississippi	4272	-1999
RTD	4280	-2007



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hess Oil Company
 P.O. Box 1009
 McPherson, KS 67460
 ATTN: Jamie Hess

20/17S/22W-Ness
Wandelene #2
 Job Ticket: 46360 **DST#: 1**
 Test Start: 2012.01.08 @ 14:41:30

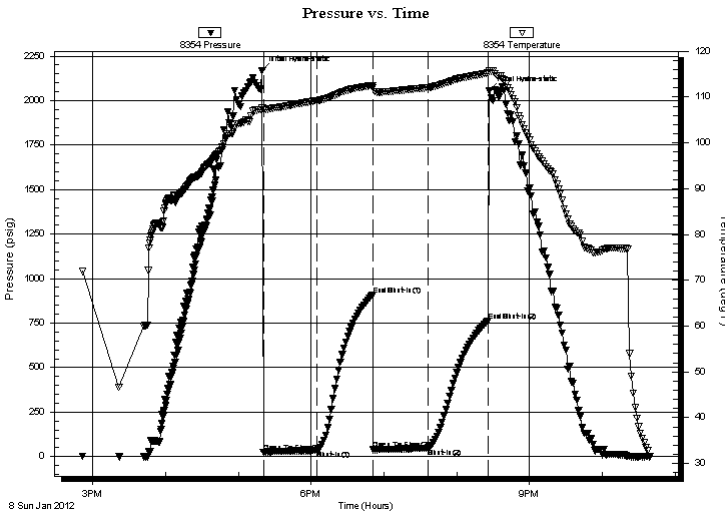
GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:20:30
 Time Test Ended: 22:39:00
 Interval: **4190.00 ft (KB) To 4276.00 ft (KB) (TVD)**
 Total Depth: 4276.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 38
 Reference Elevations: 2275.00 ft (KB)
 2270.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8354 Inside
 Press @ Run Depth: 45.64 psig @ 4260.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.08 End Date: 2012.01.08 Last Calib.: 2012.01.08
 Start Time: 14:51:30 End Time: 22:39:00 Time On Btm: 2012.01.08 @ 17:19:30
 Time Off Btm: 2012.01.08 @ 20:27:00

TEST COMMENT: IF-Very weak building blow . Built to 1/2 inch.
 IS-No Return.
 FF-Very weak surface blow . Died @ 18 minutes.
 FS-No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2169.65	107.68	Initial Hydro-static
1	23.85	107.29	Open To Flow (1)
46	33.64	109.23	Shut-In(1)
91	906.68	112.53	End Shut-In(1)
92	40.20	112.09	Open To Flow (2)
137	45.64	112.03	Shut-In(2)
186	761.54	115.23	End Shut-In(2)
188	2054.58	115.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	50%Water/50%Mud	0.30
1.00	100%Oil	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company
P.O. Box 1009
McPherson, KS 67460
ATTN: Jamie Hess

20/17S/22W-Ness
Wandelene #2
Job Ticket: 46360 **DST#: 1**
Test Start: 2012.01.08 @ 14:41:30

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	24000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in ³	Gas Cushion Type:		
Resistivity: 0.76 ohm.m	Gas Cushion Pressure: psig		
Salinity: 12400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	50%Water/50%Mud	0.295
1.00	100%Oil	0.005

Total Length: 61.00 ft Total Volume: 0.300 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

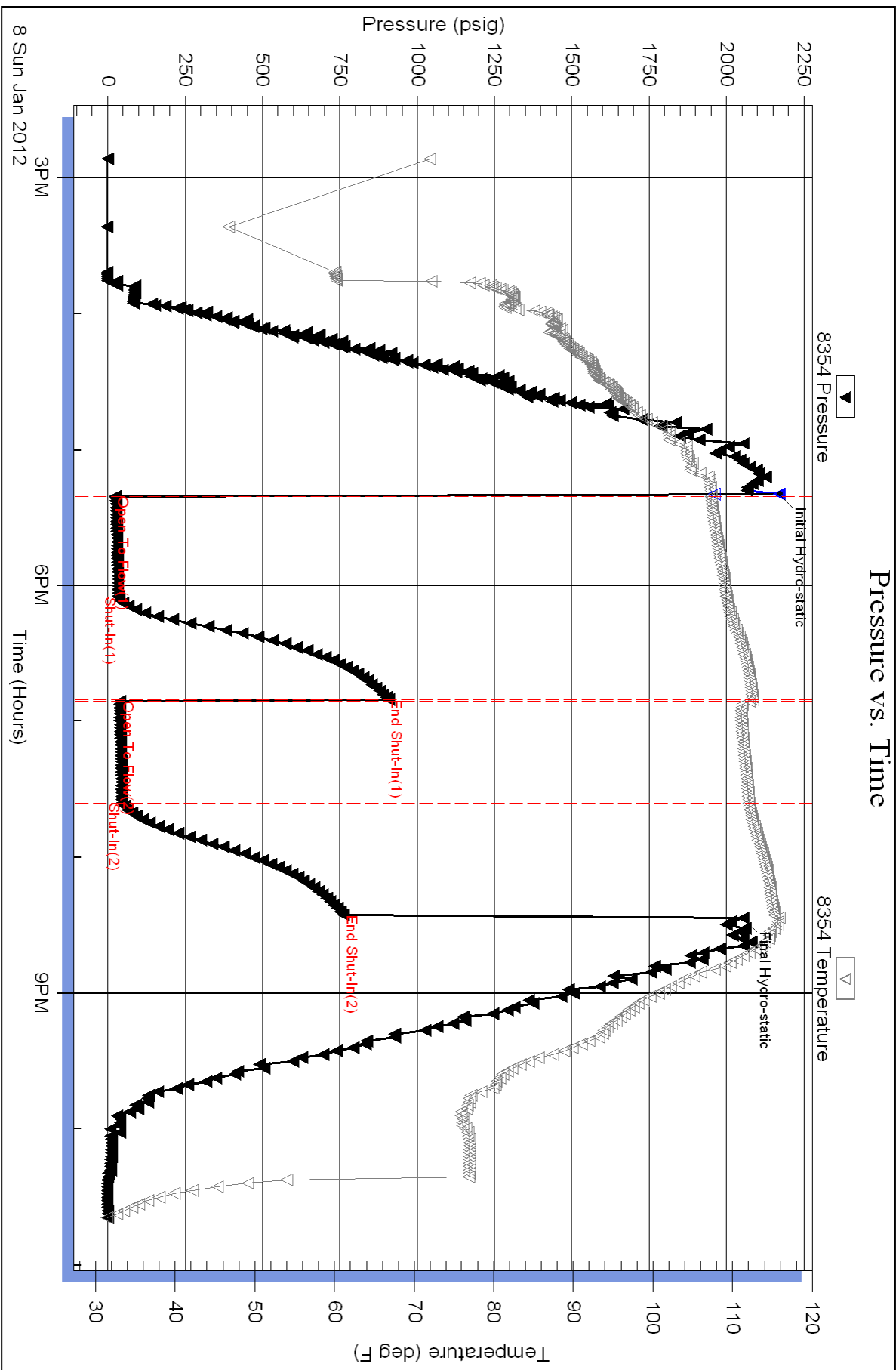
Serial #: 8354

Inside

Hess Oil Company

Wandelene #2

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hess Oil Company
P.O. Box 1009
McPherson, KS 67460
ATTN: Jamie Hess

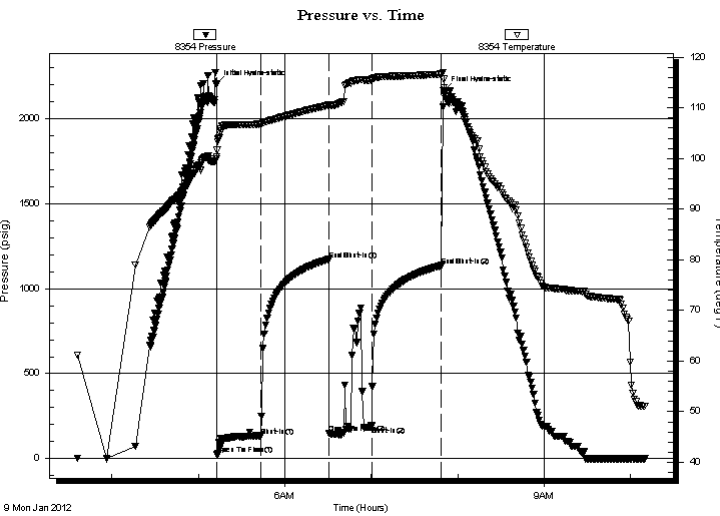
20/17S/22W-Ness
Wandelene #2
Job Ticket: 46361 **DST#: 2**
Test Start: 2012.01.09 @ 03:26:15

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 05:13:05 Tester: Dustin Rash
Time Test Ended: 10:10:15 Unit No: 38
Interval: 4270.00 ft (KB) To 4280.00 ft (KB) (TVD) Reference Elevations: 2275.00 ft (KB)
Total Depth: 4280.00 ft (KB) (TVD) 2270.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8354 Inside
Press @ Run Depth: 192.82 psig @ 4272.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.09 End Date: 2012.01.09 Last Calib.: 2012.01.09
Start Time: 03:36:15 End Time: 10:10:15 Time On Btm: 2012.01.09 @ 05:12:45
Time Off Btm: 2012.01.09 @ 07:50:15

TEST COMMENT: IF-Fair building blow . Built to 8 inches.
ISI-No Return.
FF-Fair building blow . Built to 8 inches.
FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.99	100.30	Initial Hydro-static
1	25.68	101.67	Open To Flow (1)
31	134.51	106.86	Shut-In(1)
78	1172.20	110.55	End Shut-In(1)
78	148.10	110.26	Open To Flow (2)
108	192.82	115.52	Shut-In(2)
156	1136.50	116.69	End Shut-In(2)
158	2167.87	115.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
242.00	10%Oil/90%Mud	1.19
62.00	20%Oil/80%Mud	0.87
62.00	40%Oil/60%Mud	0.87
4.00	20%Gas/80%Oil	0.06
0.00	60' G.I.P.	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company
P.O. Box 1009
McPherson, KS 67460
ATTN: Jamie Hess

20/17S/22W-Ness
Wandelene #2
Job Ticket: 46361 **DST#: 2**
Test Start: 2012.01.09 @ 03:26:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 42 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.98 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 12400.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
242.00	10%Oil/90%Mud	1.190
62.00	20%Oil/80%Mud	0.870
62.00	40%Oil/60%Mud	0.870
4.00	20%Gas/80%Oil	0.056
0.00	60' G.I.P.	0.000

Total Length: 370.00 ft Total Volume: 2.986 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

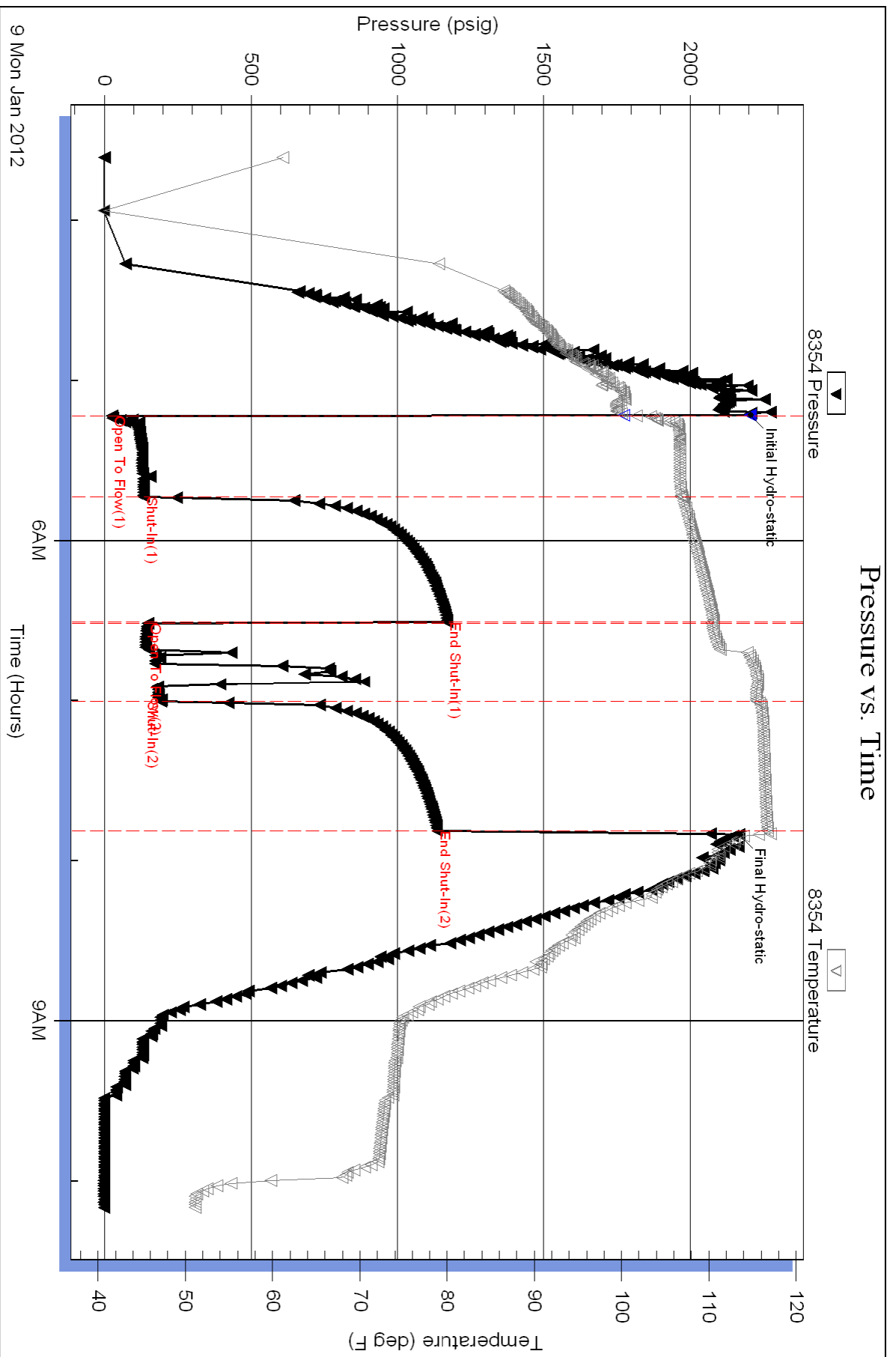
Serial #: 8354

Inside

Hess Oil Company

Wandelene #2

DST Test Number: 2



HESS OIL COMPANY

225 N. Market, Suite 300

Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

WANDALENE #2

370' FSL, 2460' FWL of

SECTION 20 - 17S - 22W

NESS COUNTY, KANSAS

Commenced: 1-2-12 Elevations: 2268' GR, 2273' KB
Completed: 1-10-12 Surface Pipe: 8-5/8" @ 222' KB
Contractor: Mallard J.V. Production Pipe: 5-1/2"

One foot drilling time was kept from 1500 to 1592' KB and from 3500 to Rotary Total Depth. Ten foot drilling samples (wet & dry) were kept from 4000' to RTD.

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

<u>ANHYDRITE</u>	<u>1530</u>	<u>(+743)</u>
<u>BASE ANHYDRITE</u>	<u>1567</u>	<u>(+706)</u>
<u>HEEBNER</u>	<u>3661</u>	<u>(-1388)</u>
<u>LANSING</u>	<u>3704</u>	<u>(-1431)</u>
<u>BASE KANSAS CITY</u>	<u>3982</u>	<u>(-1709)</u>
<u>PAWNEE</u>	<u>4080</u>	<u>(-1807)</u>
<u>FORT SCOTT</u>	<u>4171</u>	<u>(-1897)</u>
<u>CHEROKEE SHALE</u>	<u>4190</u>	<u>(-1917)</u>
<u>MISSISSIPPI</u>	<u>4272</u>	<u>(-1999)</u>

HESS OIL COMPANY

225 N. Market, Suite 300

Wichita, Kansas 67202

(316) 263-2243

Wandalene #2

Page 2

4270-72' KB Clear, medium grained, fairly sorted, sandstone clusters & loose grains. Slight show of free oil in very poor porosity, no odor, slight stain.

4273-76' KB White, sharp & tripolitic, chert. Fair show of free oil in poor "on edge" porosity, slight odor, fair stain, and a fair cut.

DRILL STEM TEST #1 4190 to 4276' KB 86' Anchor

Blow: very slow build to $\frac{1}{2}$ " 2nd - slight surface blow, died in 18 min.

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

Recovered: 1' oil 60' (50% SW, 50% Mud)

Pressures: IH 2170# IF 24 - 34# ISIP 907#
FH 2055# FF 40 - 46# FSIP 762#

4277-80' KB White, sharp & tripolitic, cherts. Good show of free oil in fair "on edge" porosity, good odor, good stain, and a strong cut.

DRILL STEM TEST #2 4270 to 4280' KB 10' Anchor

Blow: build to 8". 2nd - build to 8".

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

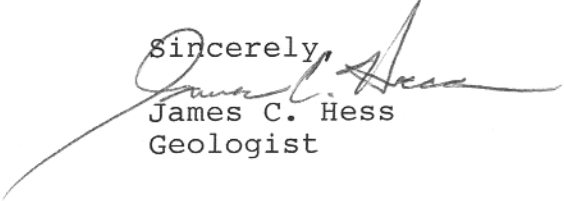
Recovered: 60' Gas
370' HOCM (20% Oil, 80% M) No Water !!

Pressures: IH 2205# IF 26 - 135# ISIP 1172#
FH 2168# FF 148 - 193# FSIP 1137#

Note: a little plugging action on 1st opening - a lot on second !

ROTARY TOTAL DEPTH 4280 (-2007)

No logs were needed or run. 5-1/2" 15.5# Casing was set with a packer shoe @ 4273' KB. Cemented w/150sx EA-II cement. A D.V. Tool was set at 1517-19' KB and cemented to surface w/200sx SMDC.

Sincerely,

James C. Hess
Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY HESS OIL COMPANY ELEVATIONS
 LEASE WANDALENE * 2 KB 2273'
 FIELD _____ DF 2271'
 LOCATION 370' FSL, 2460' FWL GL 2268'
 SEC 20 TWP 17 S RGE 22 W Measurements Are All
 COUNTY NESS STATE KANSAS From KB

CONTRACTOR MALLARD J.V. CASING
 SPUD 1-2-12 COMP 1-10-12 SURFACE 8-5/8" at 222'
 RTD 4280' LTD none PRODUCTION 5-1/2"

MUD UP 3650' TYPE MUD CHEMICAL ELECTRICAL SURVEYS
none

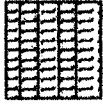
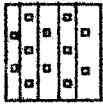



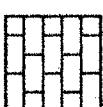
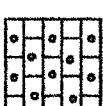
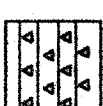

SAMPLES SAVED FROM 4000' TO TD
 DRILLING TIME KEPT FROM 3500' TO TD
 SAMPLES EXAMINED FROM 4000' TO TD
 GEOLOGICAL SUPERVISION FROM 3550' TO TD
 GEOLOGIST ON WELL JAMES C. HESS

FORMATION TOPS	LOG	SAMPLES	
ANHYDRITE		1530 (+743)	22 W
BASE ANHYDRITE		1567 (+706)	
HEEBNER		3661 (-1388)	
LANSING		3704 (-1431)	
BASE KANSAS CITY		3982 (-1709)	
PAWNEE		4080 (-1807)	
FORT SCOTT		4171 (-1898)	20
CHEROKEE SHALE		4190 (-1917)	
MISSISSIPPI		4272 (-1999)	
R T D		4280 (-2007)	17

REMARKS Pipe Strip 120' long to board

7505

LEGEND

- 
 Anhydrite
- 
 Salt
- 
 Sandstone
- 
 Shale
- 
 Carb sh
- 
 Limestone
- 
 Ool.Lime
- 
 Chert
- 
 Dolomite

SCALE 1" = 100'

Lithology	Drilling time in minutes	DEPTH	Sample Description	Remarks, drill stem tests, etc.
0	0	1500		
5	5			
10	10			
15	15			
20	20			
40	40			ANHYDRITE 1530 (+743)
60	60			
				BASE ANHYDRITE 1567

LOG 7703

(+706)

80

3500

20

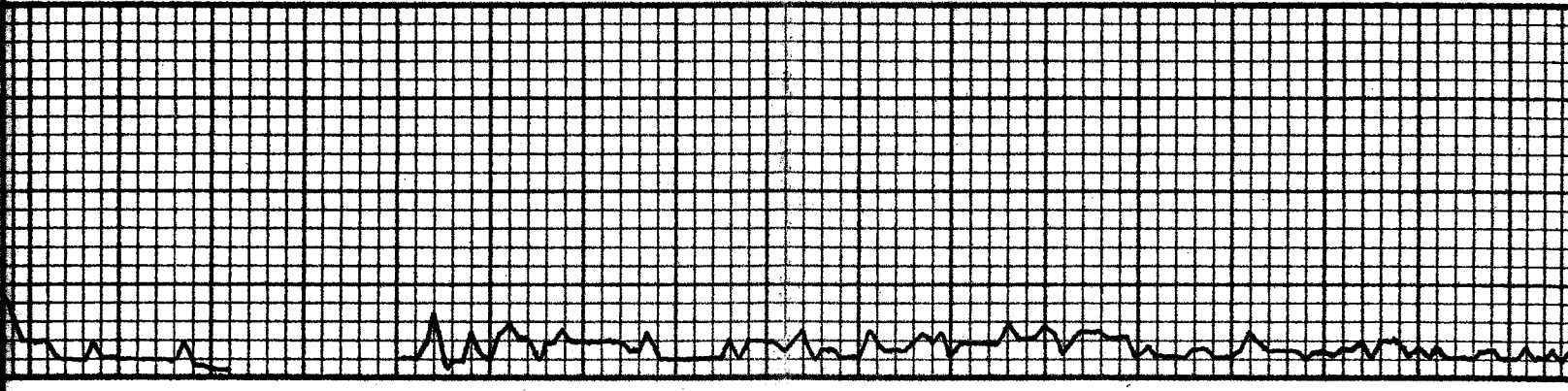
40

60

80

3600

20



HEEBNER 3661 (-1388)

LANSING 3704 (-1431)

40

60

80

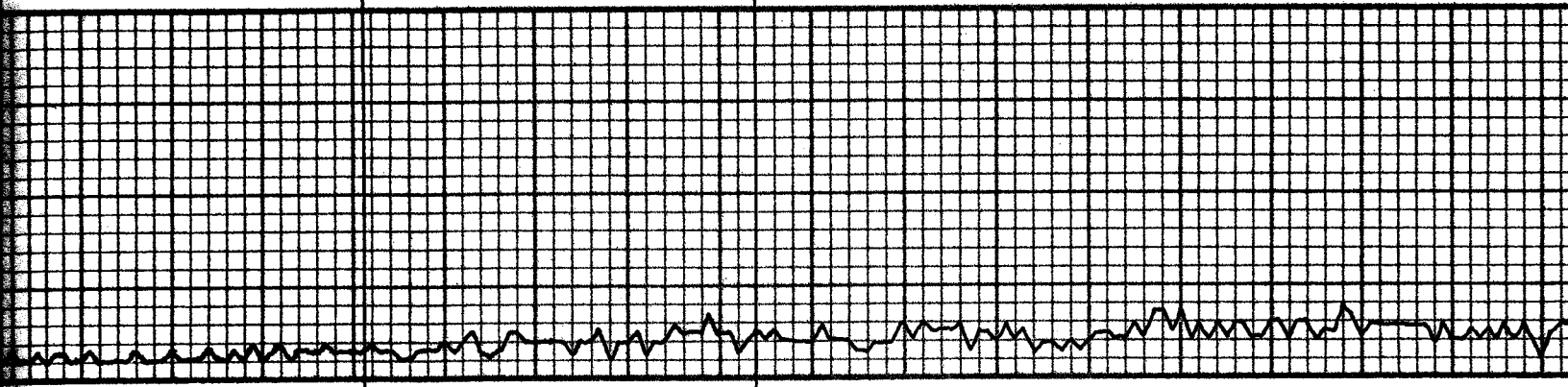
3700

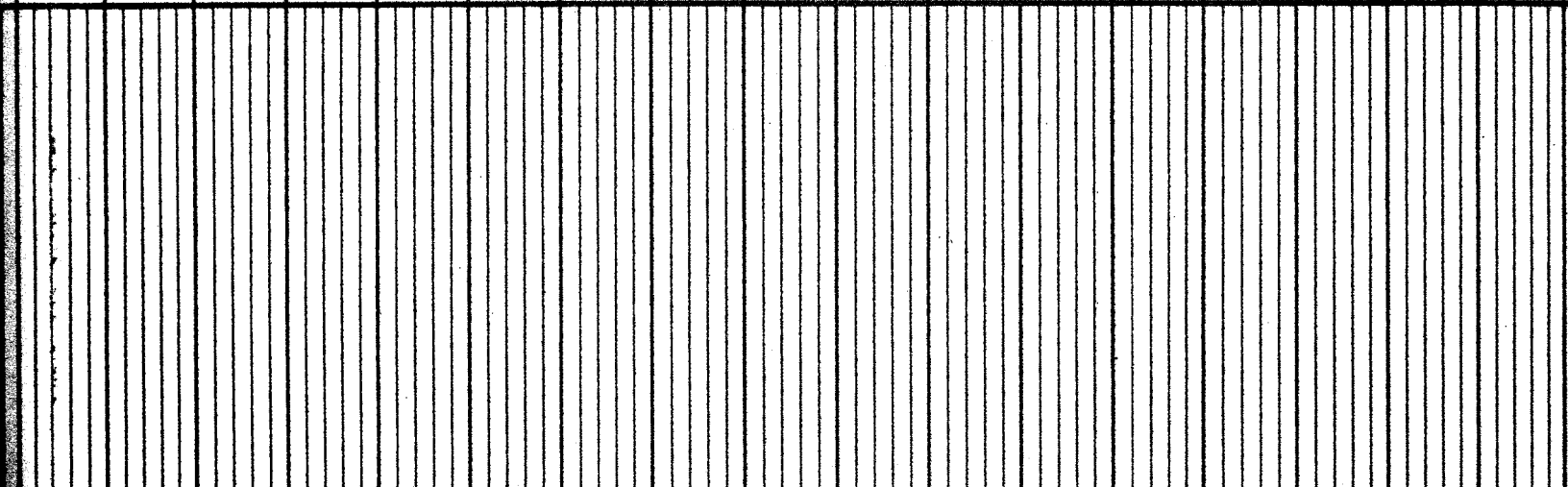
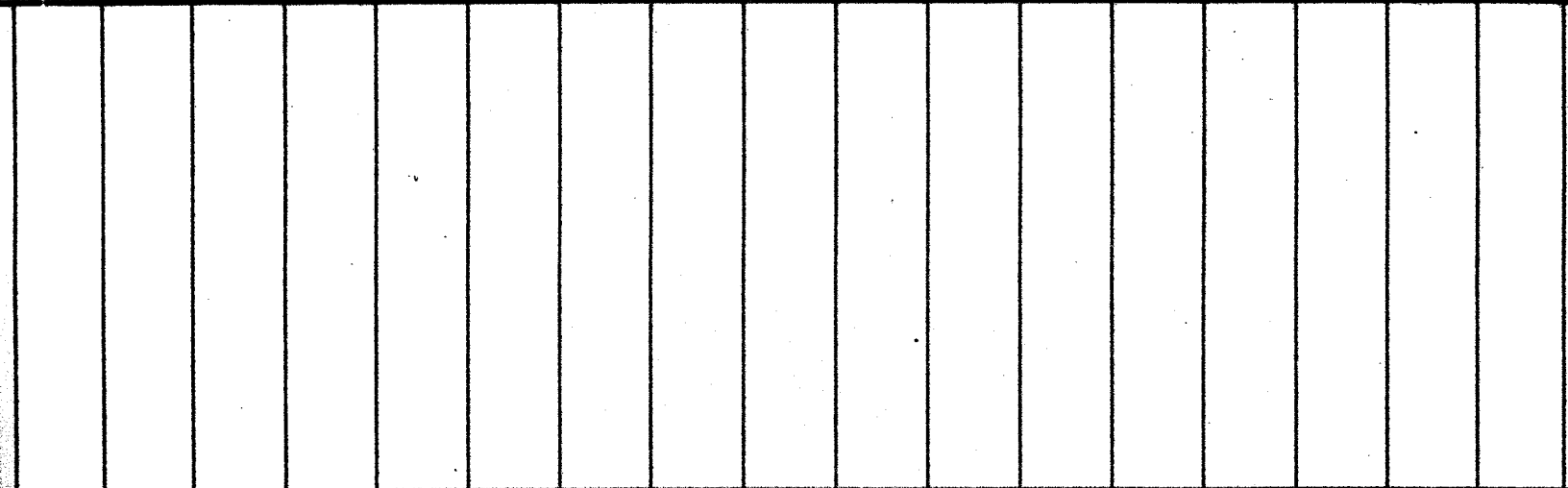
20

40

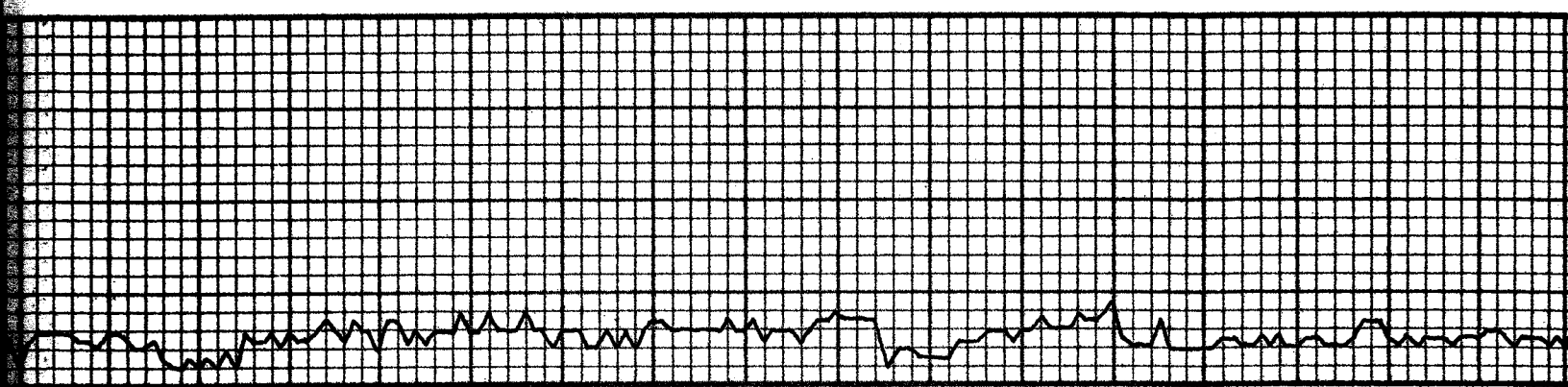
60

80





3800 20 40 60 80 3900 20 40 60



BASE KANSAS CITY

3982 (-1709)

60

80

4000

20

40

60

80

4100

20

WT. Top VF/In sl chalky Lm
w/PE's w/ chalky Lm
Some Red + green sh's

Mostly Red + green sh's
Some w/ Tan VF/In Lm
PE's w/ chalky Lm

Lots of Red + green sh's
Some Lm - 1/2 grey sl chalky Lm
FEW PE's w/ chalky Lm

AA w/ more sh's No β No show

Lm - 1/2 grey VF-felp Lm
w/PE's w/ chalky Lm
Some green + Red sh's

AA w/ more sh's No β No show

WT - Tan VF-felp sl chalky Lm
w/PE's w/ chalky Lm
Some green + Red sh's

AA w/ more sh's No β No show

WT - 1/2 grey VF/In DS Lm
w/PE's w/ chalky Lm
Some green sh's

WT - grey VF/In sl chalky Lm
w/PE's w/ grey chalky Lm
FEW green sh's

AA w/ some w/ grey chalky Lm
No β No show

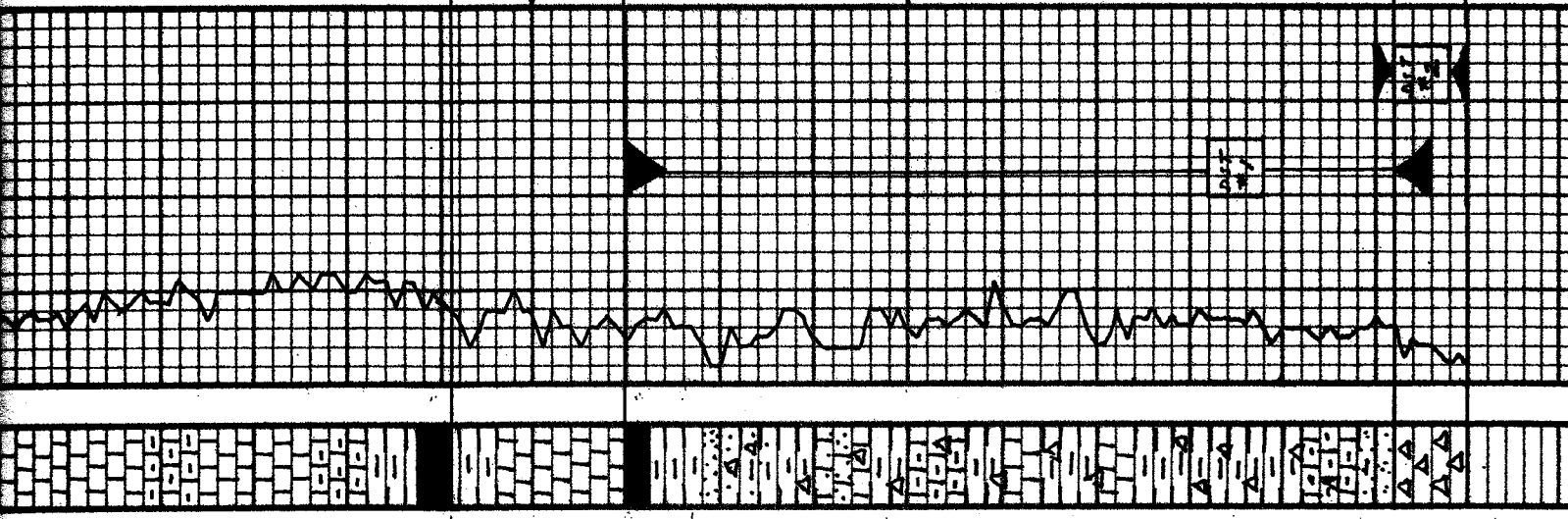
WT - grey VF/In sl chalky Lm
w/ some w/ chalky Lm
FEW green sh's

AA w/ less sh's No β

PAWNEE 4080 (-1807)

AA w/ less sh's No. 8 No show
 Crm. clay v. fine Ds Lm w/ Pt's w/ shaly Lm few sh's
 AA w/ few sh's No. 8 No show
 Crm. clay v. fine w/ shaly Lm w/ Pt's w/ shaly Lm some green sh's
 AA w/ more green sh's No. 8 No show
 Bl Carb. sh's
 Crm. Tan v. fine Ds Lm w/ Pt's w/ shaly Lm some green sh's
 AA w/ less sh's No. 8 No show
 Bl Carb. sh's
 Mostly sh's w/ some Lm
 [Pt's clear small Lm in ss solid for shale filled w/ No show]
 Mostly Red + Green sh's
 Tan v. fine Ds Lm few lower sh w/ Pt's shaly Ds Crm. Some Red + Green sh's No show
 20
 WT. clay v. fine Ds Lm Pt's shaly Ds Some Red + Green sh's
 AA w/ more sh's No. 8 No show
 Crm. Tan v. fine Ds Lm w/ Pt's v. shaly A Some Red + Green sh's
 Mostly Red + Green sh's Some WT. clay v. fine Lm Pt's v. shaly A
 Mostly sh's AA
 Sl. show in blue '775 v. sh
 Fair show of free oil in wt. A sl. show some show + some turbidite
 Low show in blue

40
 60
 80
 4200
 20
 40
 60
 80



FORT SCOTT 4171 (-1898)

Short Trip

CHEROKEE SHALE 4190 (-1917)

MISSISSIPPI 4272 (-1999)

RTD 4280 (-2007)

DST #1
 4190-4276' KB
 86' ANCHOR
 TIMES:
 45-45-45-45
 RECOVERED:
 1' oil
 60' 1/2 SW 1/4 M
 PRESSURES:
 IH 2170#
 FH 2055#
 IF 24-34#
 FF 40-46#
 ISEP 907#
 FSEP 762#

DST #2
 4270-4280' KB
 10' ANCHOR
 TIMES:
 30-45-30-45
 RECOVERED:
 60' Gas
 370' 20% oil 80% M
 PRESSURES:
 IH 2205#
 FH 2168#
 IF 26-135#
 FF 148-193#
 ISEP 1172#
 FSEP 1137#

NOTE: Some plugging existed
 on 2nd flow

4300

20

40

60

80

4400

20

40

ALLIED CEMENTING CO., LLC. 042387

Federal Tax I.D.# 20-5975804

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

SERVICE POINT
Great Bend, KS
1-3-12

DATE 1-2-12	SEC 30	TWP 17s	RANGE 22 W	CALLED OUT	ON LOCATION	JOB START 5:00 AM	JOB FINISH 9:30 AM
LEASE Dandabane	WELL# 2	LOCATION Dazine, KS	4 West to Rd Hess		COUNTY KS	STATE KS	
OLD OR NEW (Circle one)			"Z" Fourth 1/2 West north into				

CONTRACTOR	Mollars #1	OWNER	Hess Oil Co.
TYPE OF JOB	Surface		
HOLE SIZE	12 1/4 T.D. 221	CEMENT	
CASING SIZE	8 5/8 DEPTH 221	AMOUNT ORDERED	160 sks Class A
TUBING SIZE	DEPTH	30% cc 20% gel	
DRILL PIPE	DEPTH		
TOOL	DEPTH		
PRES. MAX	MINIMUM	COMMON	160 @ 14.25 2600.00
MEAS. LINE	SHOE JOINT	POZMIX	@
CEMENT LEFT IN CSG.	15 ft.	GEL	3 @ 21.25 63.75
PERFS.		CHLORIDE	6 @ 58.20 349.20
DISPLACEMENT		ASC	@

EQUIPMENT

PUMP TRUCK # 398	CEMENTER	Shore R
BULK TRUCK # 744-170	DRIVER	Jimmy H
BULK TRUCK #	DRIVER	

HANDLING	169	@ 2.25	380.25
MILEAGE	169 x 14 x .11	260.36	349.00
TOTAL			3737.20

REMARKS:
On location - 800 ft run
8 5/8 casing - 160 sks
Class A 30% cc 20% gel
Displace with 13 bbl fresh
water shut in
Cement OK Circulate
Plug down @ 3:30 AM
Rig down

CHARGE TO: Hess Oil Co.
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	221		
PUMP TRUCK CHARGE			1125.00
EXTRA FOOTAGE	@		
MILEAGE Num	28	@ 7.00	196.00
MANIFOLD	@		
hvm	28	@ 4.00	112.00
TOTAL			1433.00

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL			

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME: Frank Symank
SIGNATURE: Frank Symank
Thank You!

SALES TAX (If Any) _____
TOTAL CHARGES 5,170.20
70% 20% 1,360.04
DISCOUNT _____ IF PAID IN 30 DAYS
3,810.16

JOB LOG

SWIFT Services, Inc.

DATE 9 JAN 12 PAGE NO.

CUSTOMER HESS OIL WELL NO. LEASE WANDAENE #2 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 21536

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1730							ON LOCATION
	1955							START PIPE 5 1/2-15.5# LTD @ 4280 SET @ 4273 SHOE ST. 13.5' CENTRALIZERS. 1, 2, 3, 4, 5, 6, 5 BASKET 66 DV TOOL TOP OF 66 @ 1517
	2222						1200	SET PACKER SHADE CIRCULATE.
	2241	6	12		✓		300	Pump 500 gal MUD FLUSH
		6	20		✓		300	Pump 20 BBL KCL FLUSH
	2250	4	36		✓			MIX 150 SX FA2.
	2258							WASH OUT PUMPING LINES.
	2300	6			✓			RELEASE PLUG START DISPLACEMENT
	2318	Ø	101		✓		1500	PLUG DOWN PSI UP LATCH PLUG IN.
	2320							RELEASE PSI - DRY.
	2322							WASH TRUCK
	2325							RELEASE OPENING TOOL.
	2331							OPEN DV TOOL
	2333							CIRCULATE.
	0319	6	20		✓		200	Pump 20 BBL KCL FLUSH
	0330		7.5					PLUG RA/MH (30SX-20SX)
	0332	4	83		✓			MIX 150 SX SMD
	0403							WASH OUT PUMPING LINES.
	0405	6			✓			RELEASE DV CLOSING PLUG
	0413		36		✓		1500	PLUG DOWN PSI UP CLOSE DV TOOL
								CIRCULATE CEMENT TO PIT
	0415							RELEASE PSI DRY
	0417							WASH TRUCK
	0500							JOB COMPLETE
								THANKS #110
								JASON JEFF LAWE