



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1087357
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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

1087357

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hess Oil Company
Well Name	Ries 1-18
Doc ID	1087357

Tops

Name	Top	Datum
Anhydrite	1643	+565
Base Anydrite	1683	+543
Heebner	3569	-1361
Lansing	3606	-1398
Base Kansas City	3861	-1653
Pawnee	3967	-1759
Fort Scott	4034	-1826
Mississippi	4142	-1934
RTD	4190	-1982

HESS OIL COMPANY

225 N. Market, Suite 300

Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

RIES #1

350' FSL, 2610' FEL of

SECTION 18 - 14S - 22W

TREGO COUNTY, KS

Commenced:	5-10-12	Elevations:	2203' GR, 2208' KB
Completed:	5-18-12	Surface Pipe:	8-5/8" @ 230' KB
Contractor:	Mallard J.V.	Production Pipe:	5½"

One foot drilling time was kept from 1620 to 1720' KB and from 3400' to RTD. Ten foot drilling samples were kept from 3500' (wet & dry) to rotary 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.

<u>ANHYDRITE</u>	<u>1643</u>	<u>(+565)</u>
<u>BASE ANHYDRITE</u>	<u>1683</u>	<u>(+525)</u>
<u>HEEBNER</u>	<u>3569</u>	<u>(-1361)</u>
<u>LANSING</u>	<u>3606</u>	<u>(-1396)</u>
<u>BASE KANSAS CITY</u>	<u>3861</u>	<u>(-1653)</u>
<u>PAWNEE</u>	<u>3967</u>	<u>(-1759)</u>

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Ries #1

Page 2

Pawnee (cont.)

3967-74' KB White, very finely crystalline, limestone and white, sharp, & tripolitic, chert.
Weak to fair show of free oil in fair inter-crystalline (and some "on edge") porosity, no odor, fair stain, and a fair cut.

DRILL STEM TEST #1 3960 to 3990' KB 30' Anchor

Missrun !! packers failed.

DRILL STEM TEST #2 3945 to 3990' KB 45' Anchor

Blow: Bottom of bucket 3min., 2nd -- Bottom of bucket in 1 min.

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

Recovered: 840' Gas
960' Oil (40% O & 30% W -- last 120')

Pressures: IH 1952# IF 51 - 251# ISIP 1284#
FH 1920# FF 271 - 393# FSIP 1244#

FORT SCOTT 4034 (-1826)

4044-49' KB White, very finely crystalline, limestone.
Weak to fair show of free oil in very poor intercrystalline porosity, no odor, weak stain, and a fair cut. Looks Tight !

4104-10' KB Slight to weak show of free oil in few sandstone clusters. Clear, medium sized, well - poorly rounded, fairly sorted. Lots of loose grains. No odor, slight stain, and a weak cut.

DRILL STEM TEST #3 4020 to 4110' KB 90' Anchor

Blow: Weak surface blow -- died in 7 min.
2nd -- no blow.

Times: Open 30, Closed 30, Open 30, Closed 0.

Recovered: 10' Sl oil specked Mud

Pressures: IH 1987# IF 20 - 23# ISIP 66#
FH 1972# FF 23 - 25# FSIP ---

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Ries #1

Page 3

MISSISSIPPI 4142 (-1934)

ROTARY TOTAL DEPTH 4190 (-1982)

A set of Dual Induction & Dual Compensated Porosity logs were run to check for sand pays. Also, to identify our Pawnee pay zone. All shows were included on DSTs #2 & #3 and nothing new was found on the logs.

5½" Casing was run as follows:

23 jts of 14 & 15# mixed (18 Short threads & collars) used from Ness City yard, were run on bottom.

80 New 15.5# jts were run on top.

Guide Shoe @ 4185' KB w/21' shoe jt.

Plug Retainer & Cent. #1 @ 4164' KB Cemented w/500 gals chem. flush & 200 sx EA-II cement.

Cent. #2 4032' KB, Cent. #3 3999' KB, Cent. #4 3968' KB,
Cent. #5 3936' KB, & Cent. #6 3903' KB. -- all flow masters.

Cent. #7 1661' KB, Basket 1640' KB and D.V. Tool 1616-18' KB

1st stage plug down 1:30 am 5-18-61

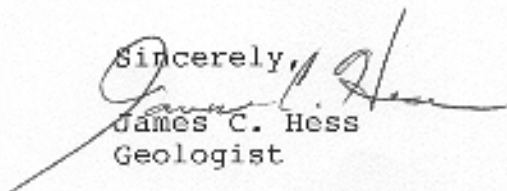
Circulated 4 hrs through D.V. Tool

Cemented D.V. Tool to surface w/ ¹⁵⁰~~200~~ sx SMDC -- plug down 6:00am
5-18-61

Called KCC (785) 625-0550

Ray D. 8:10am 5-17-61

David 11:10am 5-18-61

Sincerely,

James C. Hess
Geologist



HESS OIL COMPANY
 P.O. Box 1009
 McPherson, KS 67460-1009

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>HESS OIL COMPANY</u>	ELEVATIONS
LEASE <u>RIES #1</u>	KB <u>2208'</u>
FIELD <u>- WILDCAT -</u>	DF <u>2206'</u>
LOCATION <u>350' FSL, 2610' FEL</u>	GL <u>2203'</u>
SEC <u>18</u> TWSP <u>14 S</u> RGE <u>22 W</u>	Measurements Are All From <u>KB</u>
COUNTY <u>TREGO</u> STATE <u>KANSAS</u>	

CONTRACTOR <u>MALLARD J.V.</u>	CASING SURFACE <u>8-5/8" at 230'</u>
SPUD <u>5-10-12</u> COMP <u>5-18-12</u>	PRODUCTION <u>5-1/2"</u>
RTD <u>4190'</u> LTD <u>4192'</u>	ELECTRICAL SURVEYS DUAL INDUCTION & DENSITY NEUTRON
MUD UP <u>3350'</u> TYPE MUD <u>CHEMICAL</u>	

SAMPLES SAVED FROM 3500' TO TD

DRILLING TIME KEPT FROM 3400' TO TD

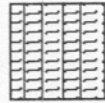
SAMPLES EXAMINED FROM 3500' TO TD

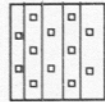
GEOLOGICAL SUPERVISION FROM 3275' TO TD


GEOLOGIST ON WELL JAMES C. HESS

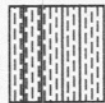
FORMATION TOPS	LOG	SAMPLES	22 W				14 S
ANHYDRITE		1643 (+565)					
BASE ANHYDRITE		1683 (+525)					
HEEBNER		3569 (-1361)					
LANSING		3606 (-1398)					
BASE KANSAS CITY		3861 (-1653)					
PAWNEE		3967 (-1759)		18			
FORT SCOTT		4034 (-1826)					
MISSISSIPPI		4142 (-1934)					
R T D		4190 (-1982)					

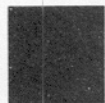
LEGEND

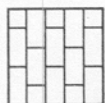
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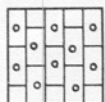
Anhydrite
- 

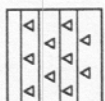
Salt
- 

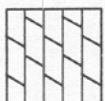
Sandstone
- 

Shale
- 

Carb sh
- 

Limestone
- 

Ool. Lime
- 

Chert
- 

Dolomite

SCALE " = 100'

LOG 7703

Lithology	Drilling time in minutes	DEPTH	Sample Description	Remarks, drill stem tests, etc.
0	0	1620		
5	5	40		ANHYDRITE 1643 (+565)
10	10	60		
15	15	80		BASE ANHYDRITE 1683 (+525)
20	20	1700		
25	25	20		

w/WT chalky lm
Some green + red sh's
Some brown ♂

AA w/ few sh's
Weak ♂
No show

WT-Tan VF-Fxlm DS Lm
w/PE's w/ chalky lm
Some green + red sh's

AA w/ less sh's
NO ♂
NO SHOW

TAN VF-Fxlm DS Lm
w/PE's w/ chalky lm
Few sh's

B1 Carb. sh's
Mostly green + red sh's
Some WT-Tan VF-Fxlm Lm
w/PE's w/ chalky lm

AA w/ less sh's
NO ♂
NO SHOW

WT-Tan VF-Fxlm sl chalky Lm
w/PE's w/ chalky lm
Some green + red sh's

AA w/ more sh's
NO SHOW

WT-Tan VF-Fxlm sl DS Lm
w/PE's w/ chalky lm
Some green + red sh's

AA w/ few sh's
NO ♂
NO SHOW

WT-Tan VF-Fxlm DS Lm
w/PE's w/ sharp Δ
PE's w/ chalky lm
Few green + red sh's

AA w/ NO ♂
NO SHOW

WT-Tan VF-Fxlm Lm
w/PE's w/ chalky lm
Few sh's

AA w/ NO ♂
NO SHOW

Very sl show of free oil in
V. poor interm ♂
Not worth testing!

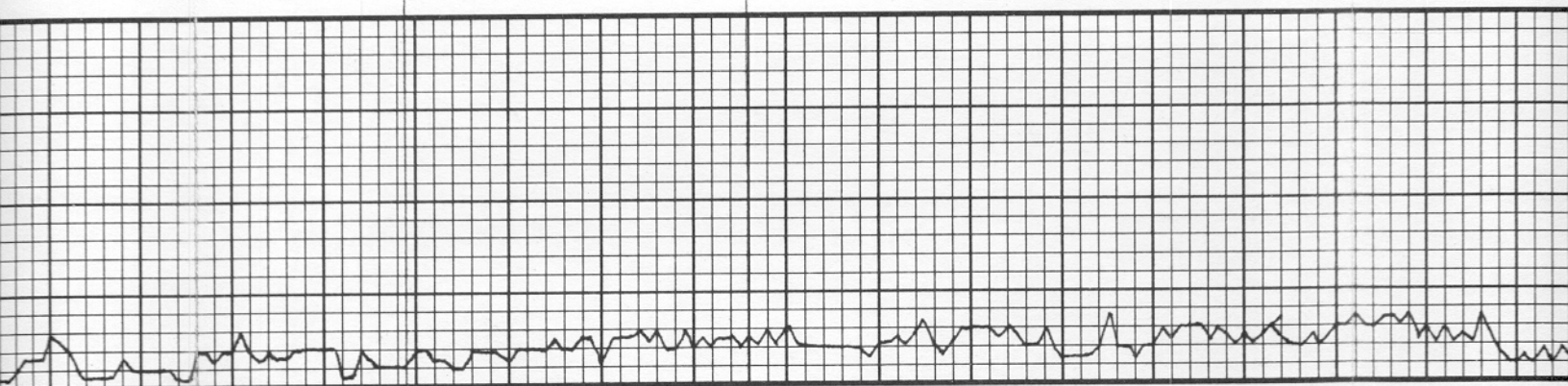
w/PE's w/ chalky DS Lm
w/PE's w/ chalky lm
Few sh's

AA w/ less sh's
NO ♂
NO SHOW

40
60
80
3600
20
40
60
80

HEEBNER 3569 (-1361)

LANSING 3606 (-1398)



Handwritten notes in the bottom margin, including 'A', 'AA', and 'B1' labels, likely corresponding to the data points in the graph above.

NO. 8

VFL SHOW IN WIT VFLIN DS Lm
w/ PAUC INTERMIX R NO. 0.8

WT - grey VFLIN DS Lm
w/ PE'S w/ chalky Lm
some green + Red sh's

AA w/ less sh NO. 8
NO SHOW

WT - grey VFLIN DS Lm
w/ PE'S w/ chalky Lm
FEW sh's

WT - grey VFLIN DS Lm
w/ PE'S w/ chalky Lm
FEW GREEN + Red sh's NO SHOW

Green-grey VFLIN DS Lm
w/ PE'S w/ chalky Lm
some green + Red sh's

AA w/ more sh's NO. 8
NO SHOW

TAN VFLIN DS Lm
w/ PE'S w/ chalky Lm
some green + Red sh's

AA w/ more sh's NO. 8
NO SHOW

Green-TAN VFLIN DS Lm
w/ PE'S w/ chalky Lm
FEW GREEN + Red sh's

AA w/ less sh's NO. 8
NO SHOW

WT - grey VFLIN DS Lm
w/ PE'S w/ chalky Lm
some green + Red sh's

AA w/ some green + Red sh's
NO. 8
NO SHOW

WT - grey VFLIN DS Lm
some green + Red sh's

WT - TAN Fxw COLITIC Lm
w/ SMALL sized COLITIC Fxw
NO SHOW

WT - grey VFLIN DS Lm
w/ PE'S w/ chalky Lm
FEW sh's

AA w/ more sh's NO. 8
NO SHOW

Green-grey VFLIN DS Lm
w/ PE'S w/ chalky Lm

3700

20

40

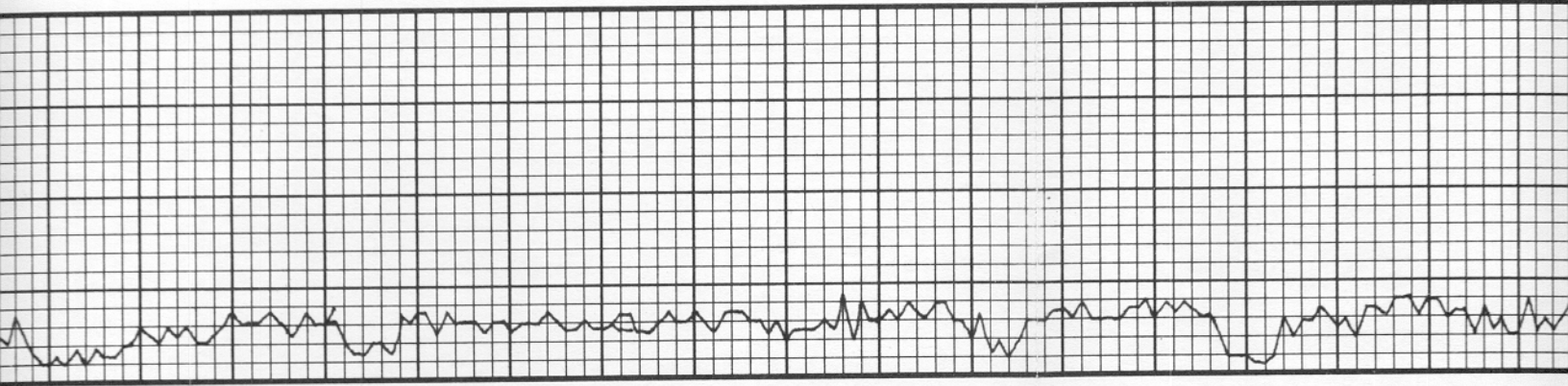
60

80

3800

20

40



010
010
010
010

010
010

BASE KANSAS CITY 3861

(-1653)

AA w/more sh's NO B NO SHOW

60
 Com-T grey VFxlm sl chalky lm
 w/pe's wt chalky lm
 Few green & Red sh's

WT-grey VF-Fxlm chalky lm
 w/ some green & Red sh's

AA w/more sh's NO B NO SHOW

80
 Com-TAN VFxlm DS sl chalky lm
 w/pe's wt chalky lm
 Some green & Red sh's

AA w/more sh's NO B NO SHOW

3900
 WT-TAN VF-Fxlm DS LM
 w/pe's wt sharp A
 Lots of green & Red sh's

AA w/more sh's NO B NO SHOW

20
 VS.1 SHARP FACE 0.1" IN WT VFxlm
 DS LM w/ POOR INTERIOR P

WT-TAN VFxlm DS LM
 w/ Lots of Red & Green sh's

Com-TAN VF-Fxlm sl chalky lm
 w/ LOTS of green & Red sh's

40
 WT-TAN VFxlm sl chalky lm
 w/pe's wt sharp A
 Some green & Red sh's

WT-TAN VFxlm LM
 w/pe's wt chalky lm
 pe's wt sharp A
 Some green & Red sh's

AA w/more sh's

60
 Weak - Fair show of fine oil
 in WT VFxlm LM and WT
 Sharp A Fair interior of core
 No odor

80
 WT-LM VFxlm DS LM
 w/pe's wt sharp A
 Some green & Red sh's

AA w/less sh's

Com-grey VFxlm chalky lm
 w/pe's wt chalky lm
 Some green & Red sh's

4000
 Grey VFxlm sl chalky lm
 w/pe's wt-grey chalky lm
 w/ few sh's

AA w/more less chalky lm

DST #1
 3960 - 3990' KB
 30' ANCHOR
 MISRUN

PAWNEE 3967 (-1759)

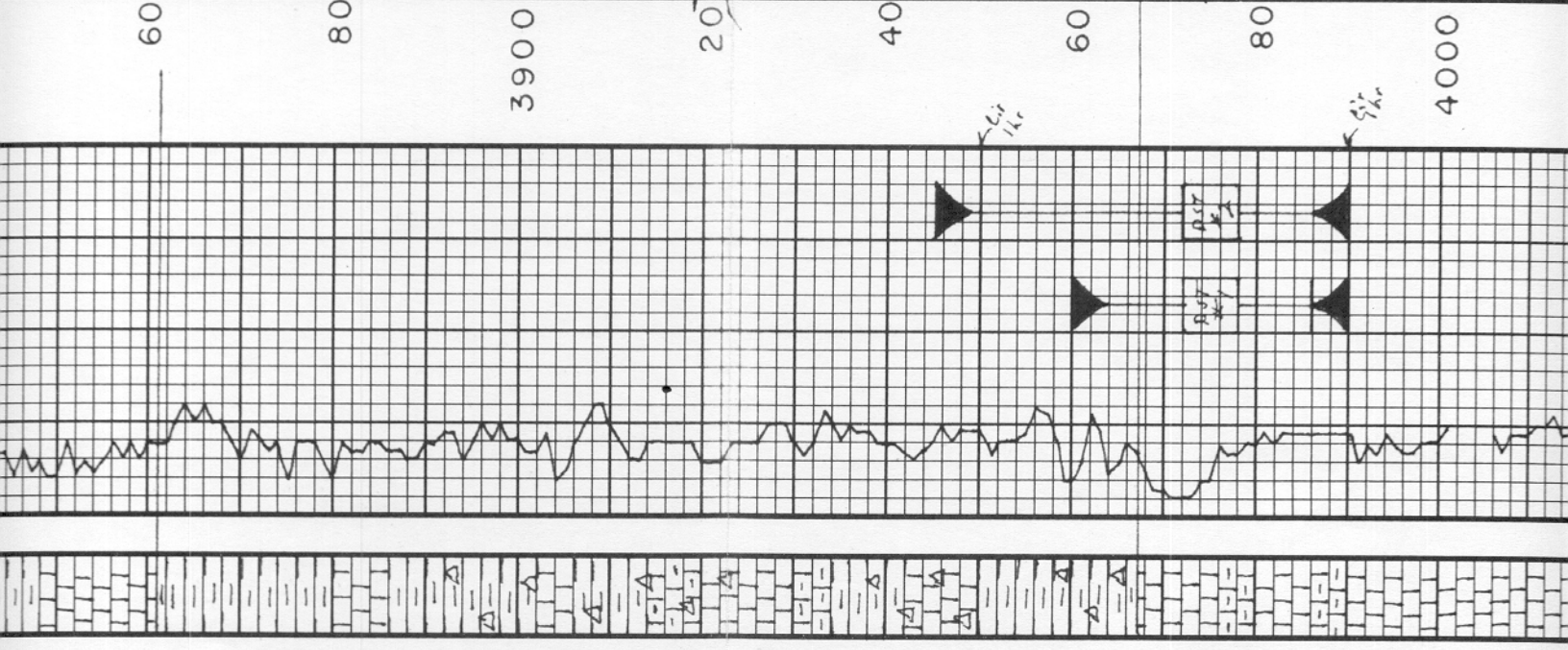
DST #2

3945 - 3990' KB
 45' ANCHOR

TIMES:
 30-45-30-45

RECOVERED: 840' oil
 840' oil / 120' oil + WT

PRESSURES:



840' oil 120' oil + WT
 PRESSURES:
 IH 1952 #
 FH 1920 #
 IF 51-251 #
 FF 271-393 #
 ISIP 1284 #
 FSIP 1244 #

FORT
 SCOTT

4034 (-1826)

DST # 3

4020-4110' KB
 90' ANCHOR

TIMES:
 30-30-30-0

RECOVERED:
 10' Soil Speckled Mud

PRESSURES:
 IH 1987
 FH 1972 #
 IF 20-23 #
 FF 23-25 #
 ISIP 66 #
 FSIP ---

MISSISSIPPI 4142 (-1934)

w/pe wt - grey chalky lm
 w/few sh's

AA w/more grey chalky lm
 No sh's
 No show

grey vfxim sl chalky lm
 w/some grey chalky lm
 some green + red sh's

Bt Carb. sh's

Mostly green + red sh's

Wick - Fair show of free oil in
 WT vfxim lm w/v. Poor interesting
 "light" NO odor

lim. Tan vfxim ds lm
 w/pe's wt chalky lm
 Lots green + red sh's
 Few loose sand grains NO show

AA w/more green + red sh's
 No sh's
 No show

lim. Tan vfxim ds lm
 w/pe's wt chalky lm
 Lots green + red sh's
 Few loose sand grains NO show

AA w/more green + red sh's
 No sh's
 No show

Mostly green + red sh's
 Some loose sand grains
 WT vfxim chalky lm

AA w/ No sh's
 No show

sl in weak show of free oil in
 few sh's as clusters. NO odor
 lot of loose grains

Mostly red + green sh's
 few v. sh's
 few sd grains

AA w/more sh's
 No sh's
 No show

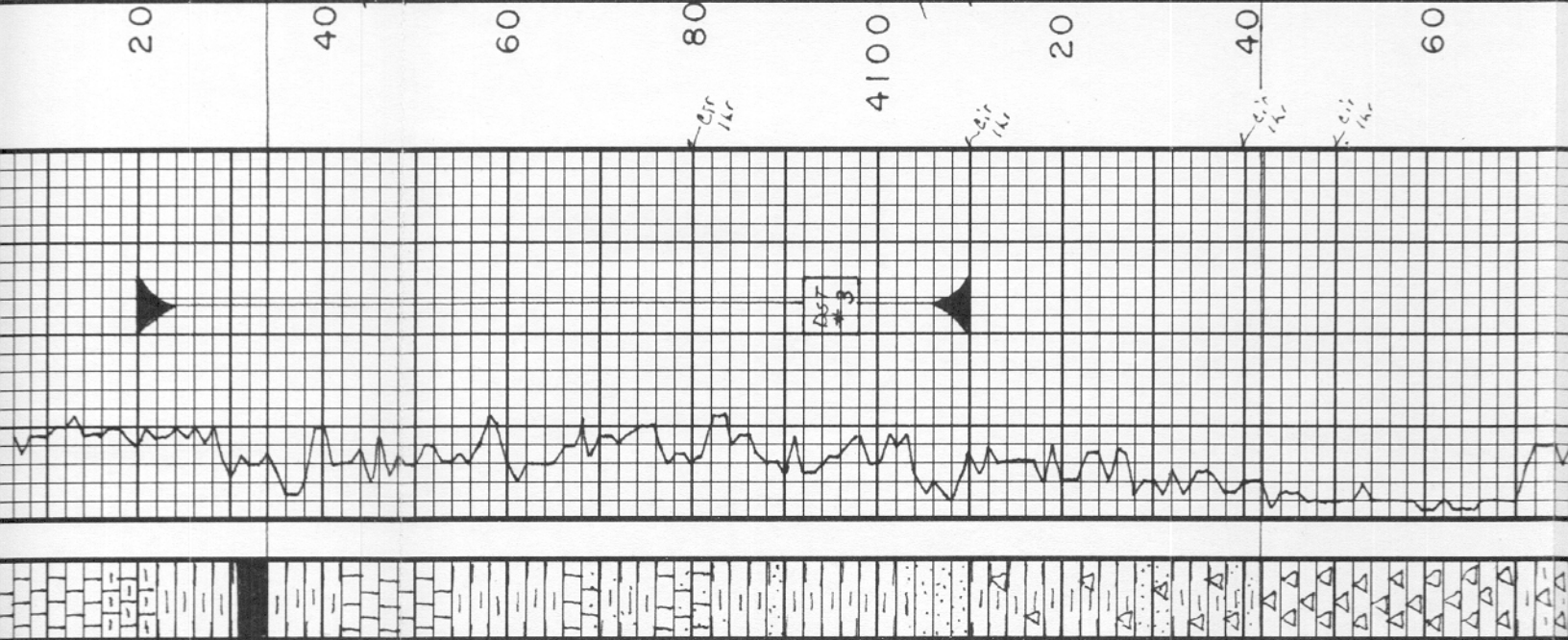
lots of yellow + v. sh's
 some ss grains
 PE's wt vfxim lm
 w/pe's wt chalky lm
 No show

Mostly wt sharp + weathered sh's
 some red + green sh's
 No show

wt sharp + impolitic sh's
 some red + green sh's
 good sh's
 no show

Clean wt sharp + impolitic sh's
 few sh's
 good sh's
 no show

wt - (f) grey sh's + impolitic sh's



△△
△△
△△
-△-
-△-
-△-
-△-
-△-
-△-
△



Few Sh's Good @ No Show
WT - 15 Grey Sheep + Polipills Δ
Lots of Red + Green Sh's No Show
AA w/more Sh's Fair @ No Show

80

RTD 4190 (-1982)

4200

20

40

60

80

4300

20

ALLIED OIL & GAS SERVICES, LLC 053532

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67655

SERVICE POINT:
Crestview, KS

DATE <u>9/10/12</u>	SEC <u>99</u>	TWR <u>24</u>	RANGE <u>72</u>	CALLED OUT	ON LOCATION	JOB START <u>9:10 pm</u>	JOB FINISH <u>9:45 pm</u>
LEASE <u>Ries</u>	WELL # <u>1-18</u>	LOCATION <u>Cedar Bluff Area 3 wells</u>			COUNTY <u>Greene</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)		<u>4 west, 1 south, west 1/4</u>					

CONTRACTOR Wyllers OWNER Hess Oil Co

TYPE OF JOB 505.000

HOLE SIZE 13 1/4 T.D. 230 CEMENT AMOUNT ORDERED 150 yds C/94 A

CASING SIZE 8 1/2 DEPTH 20% or 20% gel

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 yds

PERFS.

DISPLACEMENT 13.90

EQUIPMENT

PUMP TRUCK CEMENTER Greg P

306 HELPER Jan P

BULK TRUCK DRIVER Kevin W

DRIVER

COMMON 150 @ 16.25 2,437.50

POZMIX @

GEL 3 @ 21.25 63.75

CHLORIDE 5 @ 58.20 291.00

ASC @

@

@

@

@

HANDLING 162 @ 2.10 340.20

MILEAGE 7.4 x 47 x 2 @ 2.35 817.00

TOTAL 3,949.25

REMARKS:

Pipe on bottom - break circ
in 1/2 dia and hook up with
concrete. Displace w/ 13.90
per 1000 ft. Slout in
Cement 2.5 circ.
plug down
plug down @ 9:45 pm

SERVICE

DEPTH OF JOB 230

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE Hum 47 @ 7.00 329.00

MANIFOLD @

Hum 47 @ 4.00 188.00

@

TOTAL 1642.00

CHARGE TO: Hess Oil Co

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

@ _____

TOTAL _____

To: Allied Oil & Gas Services, 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.

SALES TAX (If Any) _____

TOTAL CHARGES 5,591.78

DISCOUNT 25% 1397.71 IF PAID IN 30 DAYS

PRINTED NAME Suzanne McDonald

4,193.87

SIGNATURE [Signature]

JOB LOG

SWIFT Services, Inc.

DATE 5-17-12 PAGE NO.

CUSTOMER Hess Oil Co. WELL NO. # LEASE REES JOB TYPE 5 1/2" LONGSTREYS 2-STAGE TICKET NO. 22397

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							ON LOCATION
	2030							START 5 1/2" CASING IN Well
								TD- 4190 SET= 4185
								TP- 4195 5 1/2" # 15.5
								ST- 21' TURBO REGWAL
								CENTRALIZERS - 1, 5, 6, 7, 8, 9 64
								CMT BSKTS - 65
								DV TOOL = 1616 TOP JT # 65
	0015							DROP BALL - CIRCULATE
	0048	6	12		✓	450		PUMP 500 GAL MUD FLUSH
	0050	6	20		✓	450		PUMP 20 BBLs KCL - FLUSH
	0055	4	48		✓	300		MAX CEMENT - 200 SKS EA-2 = 15.4 PAG
	0108							WASH OUT PUMP - LINES
	0108							RELEASE 1 ST STAGE LATCH DOWN PLUG
	0110	7	0		✓			DISPLACE PLUG
	0125	6 1/2	99.3			1500		PLUG DOWN - PSE UP LATCH IN PLUG
	0127					OK		RELEASE PSE - HELD
	0135							DROP DV OPENING PLUG
	0145				✓	1100		OPEN DV CIRCULATE 3 HRS
	0530	6	20		✓	350		PUMP 20 BBLs KCL - FLUSH
	0535		7-5					PLUG RH - MH (30 SKS - 20 SKS)
	0540	6	83		✓	250		MAX CEMENT - 150 SKS SMD = 11.2 PAG
	0558							WASH OUT PUMP - LINES
	0558							DROP DV CLOSING PLUG
	0600	7	0		✓			DISPLACE PLUG
	0607	5	38.5			1500		PLUG DOWN - PSE UP CLOSE DV TOOL
	0610					OK		RELEASE PSE HELD
								CIRCULATE 25 SKS CEMENT TO PCT
								WASH TRUCK
	0700							JOB COMPLETE

THANK YOU
WAYNE, JEFF, ISAAC



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Co.
225 N Market
STE 300
Wichita Ks. 67202
ATTN: Jamie Hess

18-14s-22w Trego
Reis #1-18
Job Ticket: 47274 **DST#: 1**
Test Start: 2012.05.15 @ 16:33:05

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:	ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1300.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	Mud	0.984

Total Length: 200.00 ft Total Volume: 0.984 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

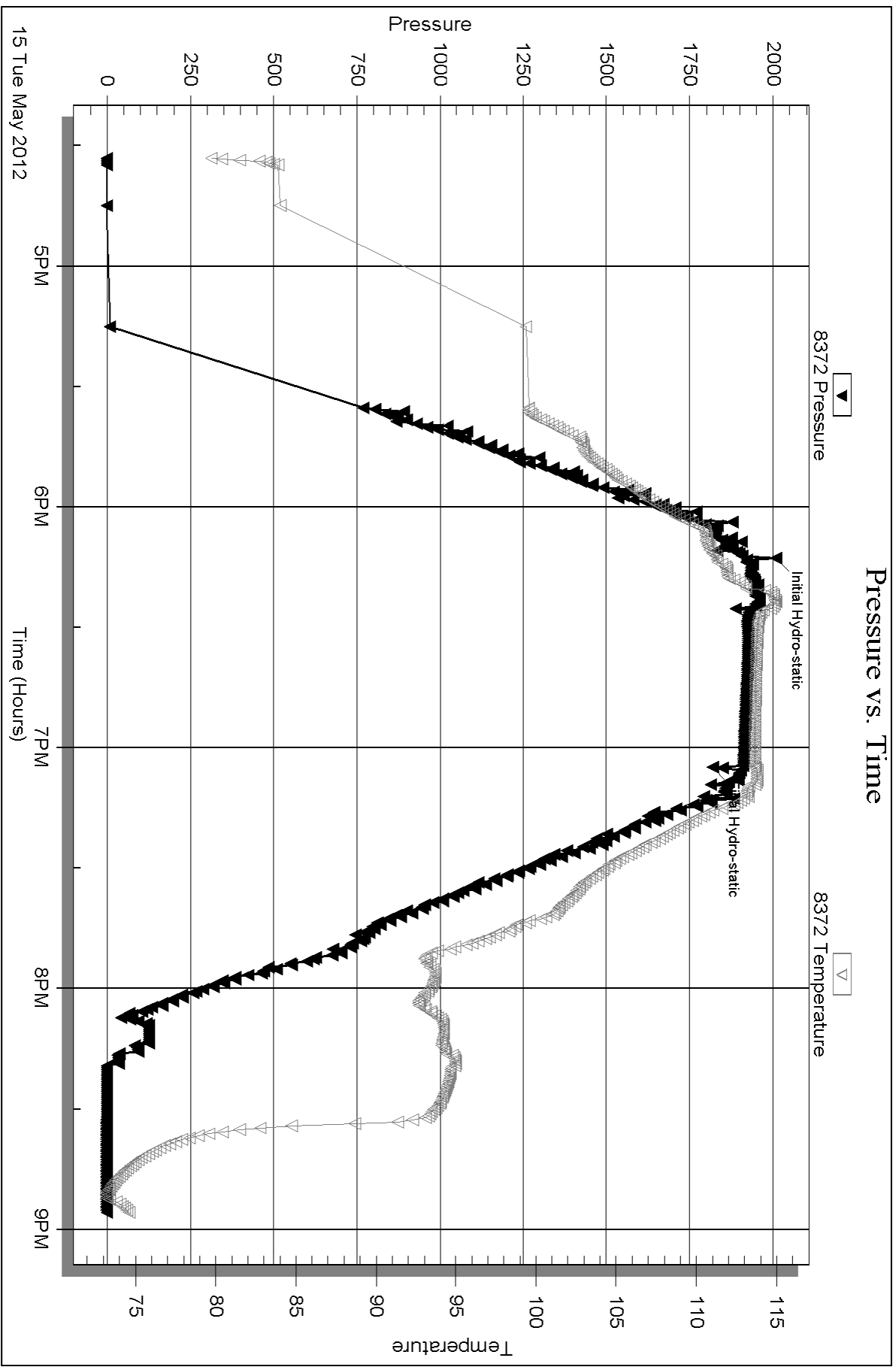
Recovery Comments: Misrun- Packer Failure.

Serial #: 8372

Outside Hess Oil Co.

Reis #1-18

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hess Oil Co.
 225 N Market
 STE 300
 Wichita Ks. 67202
 ATTN: Jamie Hess

18-14s-22w Trego
Reis #1-18
 Job Ticket: 47275 **DST#: 2**
 Test Start: 2012.05.15 @ 21:20:05

GENERAL INFORMATION:

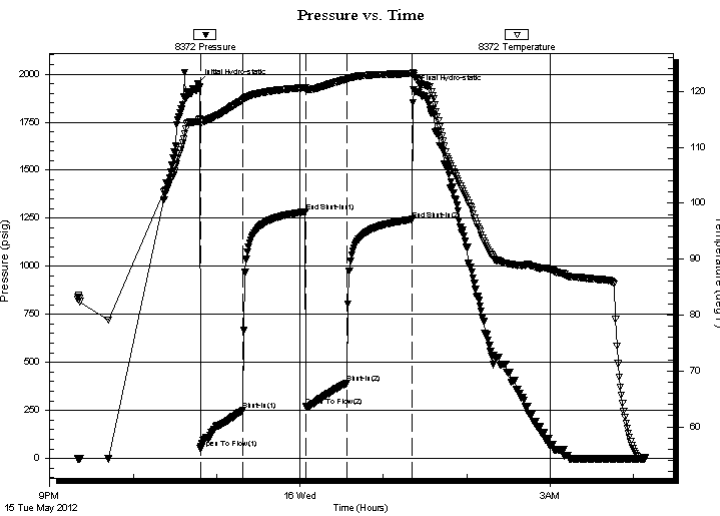
Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:48:20
 Time Test Ended: 04:08:29
 Interval: **3945.00 ft (KB) To 3990.00 ft (KB) (TVD)**
 Total Depth: 3990.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2210.00 ft (KB)
 2205.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8372

Outside

Press @ Run Depth: 393.65 psig @ 3950.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.15 End Date: 2012.05.16 Last Calib.: 2012.05.16
 Start Time: 21:20:05 End Time: 04:08:29 Time On Btm: 2012.05.15 @ 22:46:30
 Time Off Btm: 2012.05.16 @ 01:21:50

TEST COMMENT: IF:(30min) BOB, 3 min.
 IS:(45min) Return Blow , 3" in 5 min, 6" in 19 min, decreased to 3".
 FF:(30min) BOB, 1 min.
 FS:(45min) Return Blow , 3" in 3 min, 6" in 8 min, BOB in 9 min, decreased to 5".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1952.39	114.59	Initial Hydro-static
2	51.22	114.07	Open To Flow (1)
33	251.99	118.45	Shut-In(1)
78	1284.50	120.66	End Shut-In(1)
78	271.03	120.20	Open To Flow (2)
108	393.65	122.15	Shut-In(2)
155	1244.37	123.14	End Shut-In(2)
156	1920.04	123.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCWO g=20% m=10% w =30% o=40%	0.59
840.00	GO g=20% o=80%	10.68
0.00	GIP= 840ft	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Co.
225 N Market
STE 300
Wichita Ks. 67202
ATTN: Jamie Hess

18-14s-22w Trego
Reis #1-18
Job Ticket: 47275 **DST#: 2**
Test Start: 2012.05.15 @ 21:20:05

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:	ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1300.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

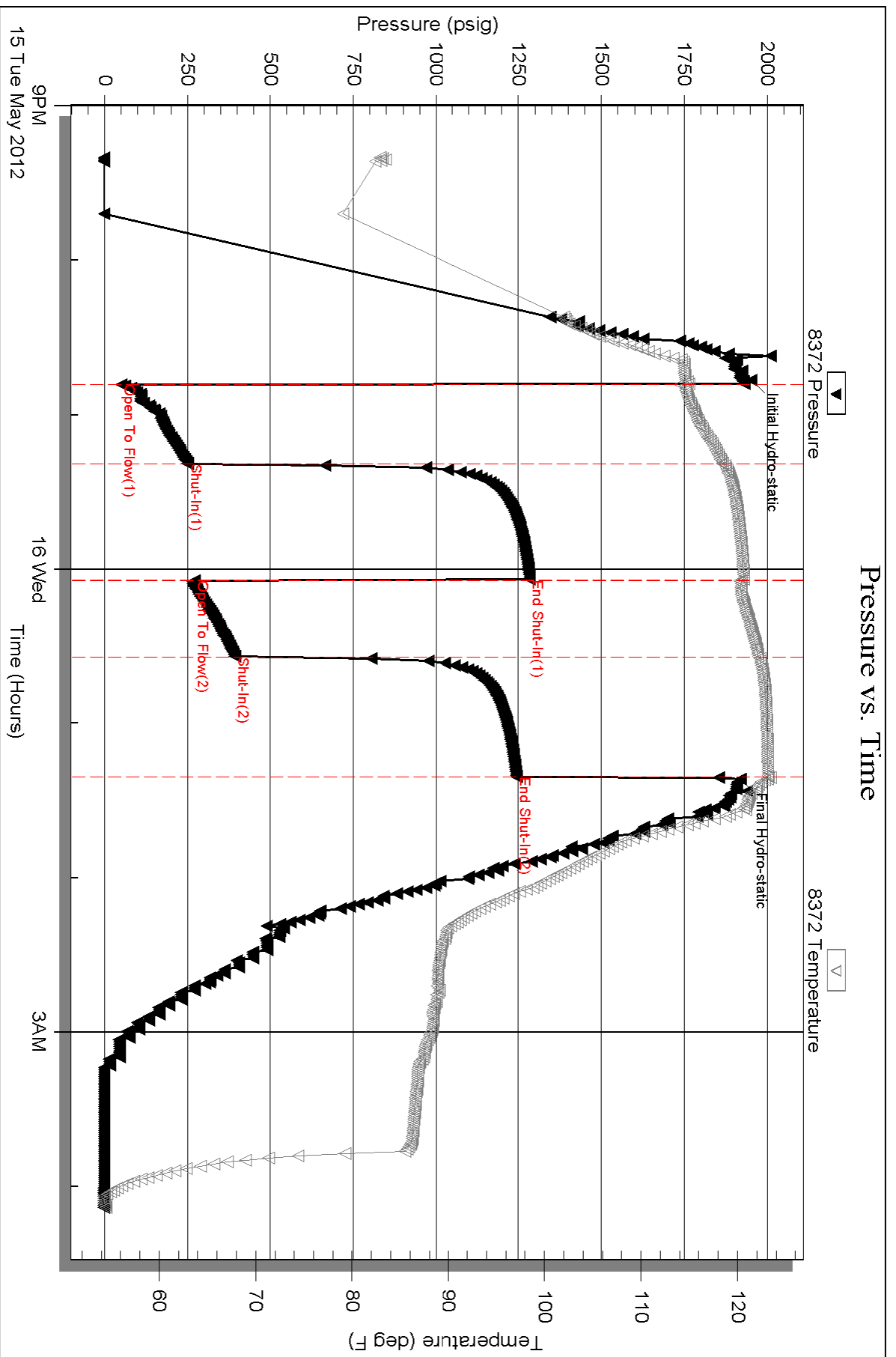
Length ft	Description	Volume bbl
120.00	GMCWO g=20% m=10% w =30% o=40%	0.590
840.00	GO g=20% o=80%	10.681
0.00	GIP= 840ft	0.000

Total Length: 960.00 ft Total Volume: 11.271 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hess Oil Co.
225 N Market
STE 300
Wichita Ks. 67202
ATTN: Jamie Hess

18-14s-22w Trego

Reis #1-18

Job Ticket: 47326

DST#: 3

Test Start: 2012.05.16 @ 17:23:05

GENERAL INFORMATION:

Formation: **Ft Scott/ Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:08:50

Time Test Ended: 01:14:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

Interval: 4020.00 ft (KB) To 4110.00 ft (KB) (TVD)

Reference Elevations: 2210.00 ft (KB)

Total Depth: 4110.00 ft (KB) (TVD)

2205.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8372 Outside

Press @ Run Depth: 23.10 psig @ 4027.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.16 End Date: 2012.05.17

Last Calib.: 2012.05.17

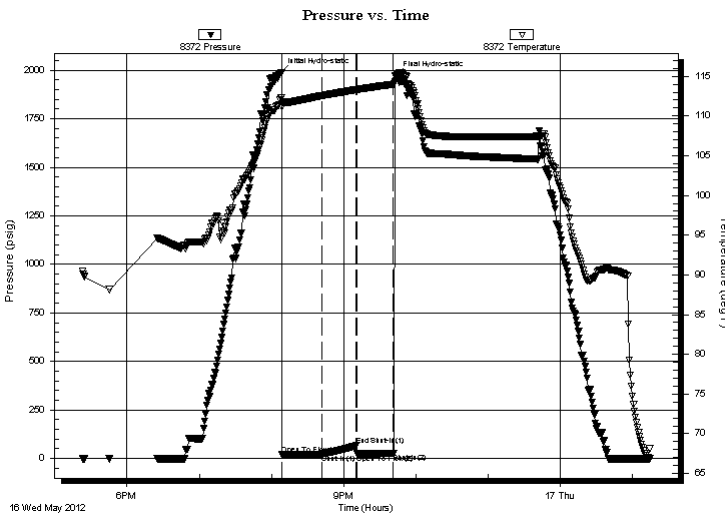
Start Time: 17:23:05 End Time: 01:14:29

Time On Btm: 2012.05.16 @ 20:07:50

Time Off Btm: 2012.05.16 @ 21:43:29

TEST COMMENT: IF:(30min) Blow died in 5 min.
IS:(30min) No Return
FF:(30min) No Blow . Pulled Tool.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.89	112.30	Initial Hydro-static
1	20.55	111.17	Open To Flow (1)
34	23.10	112.55	Shut-In(1)
63	66.12	113.30	End Shut-In(1)
63	23.80	113.29	Open To Flow (2)
94	25.49	113.99	Shut-In(2)
96	1972.36	114.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOSM	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Co.
225 N Market
STE 300
Wichita Ks. 67202
ATTN: Jamie Hess

18-14s-22w Trego
Reis #1-18
Job Ticket: 47326 **DST#: 3**
Test Start: 2012.05.16 @ 17:23:05

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:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1300.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOSM	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

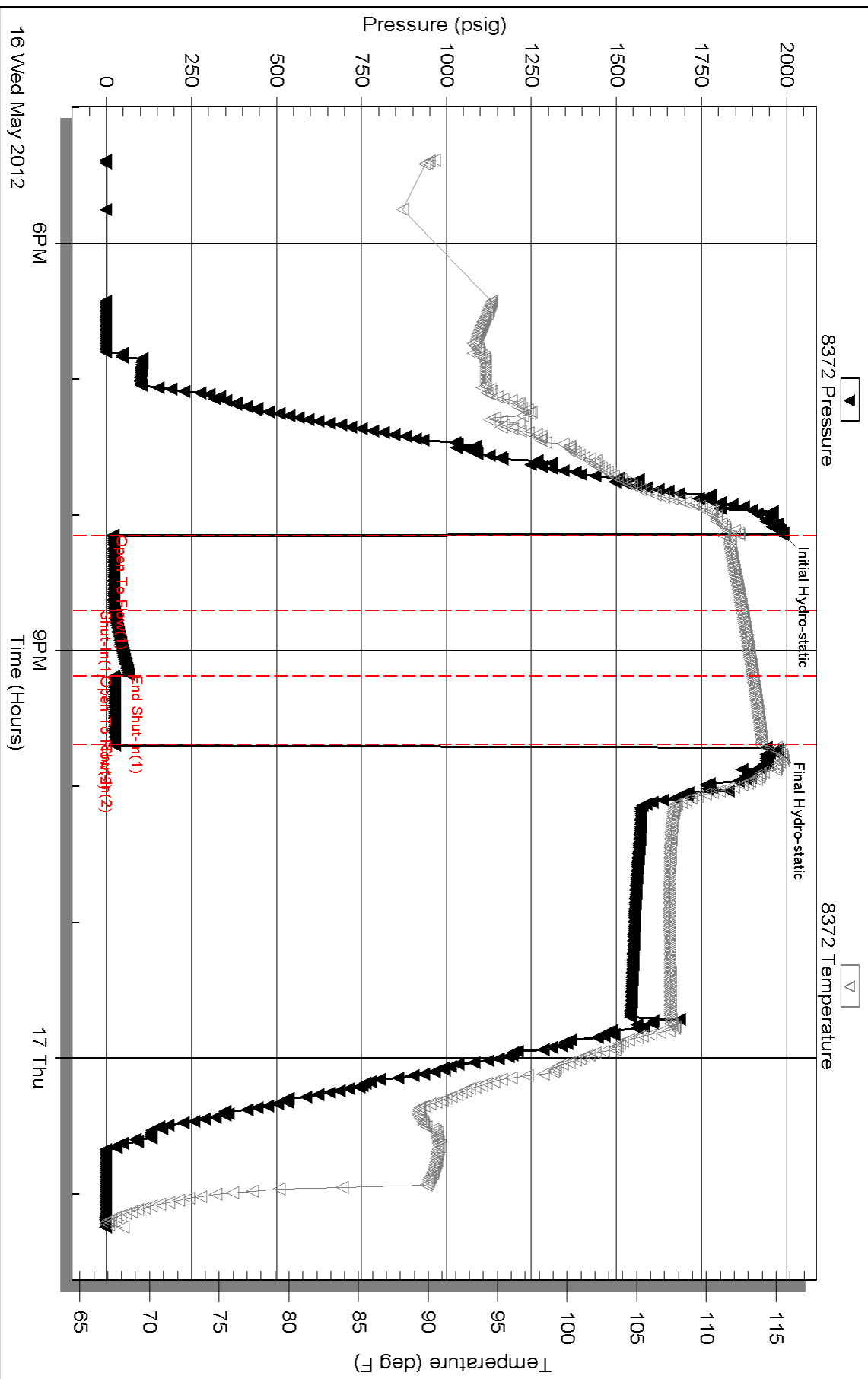
Serial #: 8372

Outside Hess Oil Co.

Reis #1-18

DST Test Number: 3

Pressure vs. Time



Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 13, 2012

Bryan Hess
Hess Oil Company
PO BOX 1009
MCPHERSON, KS 67460-1009

Re: ACO1
API 15-195-22781-00-00
Ries 1-18
SE/4 Sec.18-14S-22W
Trego County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Bryan Hess