

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 <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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	KEOUGH 5-34
Doc ID	1361224

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	KEOUGH 5-34
Doc ID	1361224

Tops

Name	Top	Datum
Heebner Shale	4348	(-1808)
Brown Limestone	4485	(-1945)
Lansing	4496	(-1956)
Stark Shale	4835	(-2295)
Base Kansas City	4949	(-2409)
Pawnee	5037	(-2497)
Cherokee Shale	5084	(-2544)
Base Penn Limestone	5183	(-2643)
Mississippian	5198	(-2658)
LTD	5340	(-2800)
RTD	5340	(-2800)

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	KEOUGH 5-34
Doc ID	1361224

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	Perf 5252 to 5262 & 5038 to 5052	Ran tubing, plug & packer, isolated lower perfs	
		Acidized with 500 gal 15% MCA,	
		moved plug & packer, isolated upper perfs, acidized upper perfs with 1500 gal 15% MCA.	
		swabed upper perfs with GSO (16% Oil), moved plug & packer to isolate lower perfs,	
		swabed lower perfs, had GSO with good rate (99- 100% Oil).	
		Pulled tubing plug & packer, ran prod tubing & rods, set surface equip, POP	

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

6646

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410
Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	3-29-17	Sec.	34	Twp.	28	Range	23W	County	Ford	State	KS	On Location	7:45 am	Finish	11:00
------	---------	------	----	------	----	-------	-----	--------	------	-------	----	-------------	---------	--------	-------

Lease	Keough	Well No.	5-34	Location	
-------	--------	----------	------	----------	--

Contractor	Duke 1	Owner	To Quality Well Service, Inc.
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Type Job	Surface	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
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Hole Size	12 1/4	T.D.	679'
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Csg.	8 5/8	Depth	679' to 664'	Charge To	Vincent
------	-------	-------	--------------	-----------	---------

Tbg. Size		Depth	Landing Jt 15'	Street	
-----------	--	-------	----------------	--------	--

Tool		Depth		City		State	
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Cement Left in Csg.	42'	Shoe Joint	42	The above was done to satisfaction and supervision of owner agent or contractor.		
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Meas Line		Displace	40.5	Cement Amount Ordered	150x MDC 2% Gel
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EQUIPMENT

Pumptrk	8	No.		Common	150
---------	---	-----	--	--------	-----

Bulktrk	7	No.		Poz-Mix	MDC 150
---------	---	-----	--	---------	---------

Bulktrk		No.		Gel.	12
---------	--	-----	--	------	----

Pickup		No.		Calcium	12
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JOB SERVICES & REMARKS

Rat Hole		Hulls	
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Mouse Hole		Salt	
------------	--	------	--

Centralizers		Flowseal	
--------------	--	----------	--

Baskets		Kol-Seal	66-25
---------	--	----------	-------

D/V or Port Collar		Mud CLR	48
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		CFL-117 or CD110 CAF	38
--	--	----------------------	----

		Sand	
--	--	------	--

		Handling	3.4
--	--	----------	-----

		Mileage	50
--	--	---------	----

		FLOAT EQUIPMENT	
--	--	------------------------	--

		Guide Shoe	
--	--	------------	--

		Centralizer	
--	--	-------------	--

		Baskets	
--	--	---------	--

		AFU Inserts	
--	--	-------------	--

		Float Shoe	2 1/2 Kelle Plate
--	--	------------	-------------------

		Latch Down	2 1/2 inch Plug
--	--	------------	-----------------

		LHW	50
--	--	-----	----

		Service supervisor	
--	--	--------------------	--

		Pumptrk Charge	5.00
--	--	----------------	------

		Mileage	100
--	--	---------	-----

		Tax	
--	--	-----	--

		Discount	
--	--	----------	--

		Total Charge	
--	--	--------------	--

X Signature *[Handwritten Signature]*

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	4-7-17	Sec.	34	Twp.	28	Range	21	County	Ford	State	KS	On Location	5:30	Finish	8:00pm
Lease	Keough	Well No.	5-34			Location									
Contractor	Duke 1							Owner							
Type Job	Long string							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	7 7/8		T.D.		5340		Charge To								
Csg.	4.5		Depth		5332'		To Vincent								
Tbg. Size			Depth				Street								
Tool			Depth				City				State				
Cement Left in Csg.			Shoe Joint		21.88		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		82.3		Cement Amount Ordered 225sx Pro C 10% Salt								
EQUIPMENT							5" Kelsal								
Pumptrk	8	No.	Mike				Common 225 sx Pro C.								
Bulktrk	9	No.	Derek				Poz. Mix								
Bulktrk		No.					Gel. 4								
Pickup		No.	Dance				Calcium								
JOB SERVICES & REMARKS							Hulls								
Rat Hole	30						Salt 24								
Mouse Hole	20						Flowseal								
Centralizers							Kol-Seal 1125#								
Baskets							Mod CLR 48 500 gal Mud Flush								
D/V or Port Collar							CFL-117 or CD110 CAF 38 20-1 8 Gals.								
Bar 117jts 4.5sx 11.6.# Broke circulation, circulated 1hr. Pump Ae. Flush plugged rat hole 30sx + mouse hole with 20sx. Mixed and pumped 175sx Pro C. washed up. released plug. Displaced with 82.3 bbls of 2% KCL water Plug landed released plug plug held.							Sand								
							Handling 53								
							Mileage 50								
							FLOAT EQUIPMENT								
							Guide Shoe 4.5								
							Centralizer 6-5								
							Baskets								
							AFU Inserts 4.5								
							Float Shoe								
							Latch Down 4.5 Rubber Plug								
							LMV 50								
							Service Expense								
							Pumptrk Charge Long string								
							Mileage 100								
											Tax				
											Discount				
											Total Charge				
X Signature <i>Fat Simpson</i>															



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vincent Oil Corporation
200 W Douglas Ave #725
Wichita, KS 67202
ATTN: Ken LeBlanc

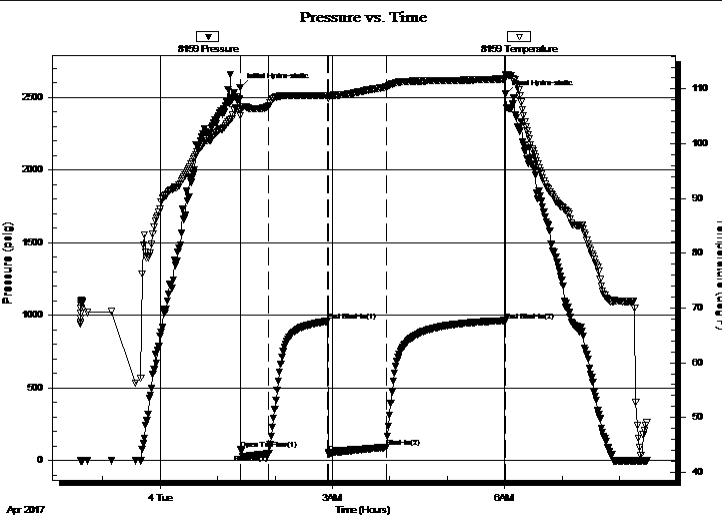
34-28S-23W Ford,
Keough 5-34
Job Ticket: 59933 **DST#: 1**
Test Start: 2017.04.03 @ 22:36:45

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 01:23:45 Tester: Leal Cason
Time Test Ended: 08:29:30 Unit No: 74
Interval: 5035.00 ft (KB) To 5060.00 ft (KB) (TVD) Reference Elevations: 2540.00 ft (KB)
Total Depth: 5060.00 ft (KB) (TVD) 2528.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 8159 Inside
Press@RunDepth: 91.22 psig @ 5036.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.04.03 End Date: 2017.04.04 Last Calib.: 2017.04.04
Start Time: 22:36:46 End Time: 08:29:30 Time On Btm: 2017.04.04 @ 01:23:30
Time Off Btm: 2017.04.04 @ 06:01:00

TEST COMMENT: IF: Strong Blow , BOB in 2 minutes
IS: No Blow Back
FF: Strong Blow , BOB immediate, GTS in 20 minutes, TSTM, Caught Sample
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2566.14	106.22	Initial Hydro-static
1	77.16	105.07	Open To Flow (1)
30	45.83	106.84	Shut-In(1)
92	957.97	108.84	End Shut-In(1)
93	46.16	108.24	Open To Flow (2)
153	91.22	110.34	Shut-In(2)
277	962.63	111.84	End Shut-In(2)
278	2522.21	112.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
62.00	GMCO 12%G 10%W 14%M 64%O	0.87
144.00	GMCO 30%G 20%M 50%O	2.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation
200 W Douglas Ave #725
Wichita, KS 67202
ATTN: Ken LeBlanc

**34-28S-23W Ford,
Keough 5-34**
Job Ticket: 59933 **DST#: 1**
Test Start: 2017.04.03 @ 22:36:45

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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GTS	0.000
62.00	GWMO 12%G 10%W 14%M 64%O	0.870
144.00	GMCO 30%G 20%M 50%O	2.020

Total Length: 206.00 ft Total Volume: 2.890 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8159

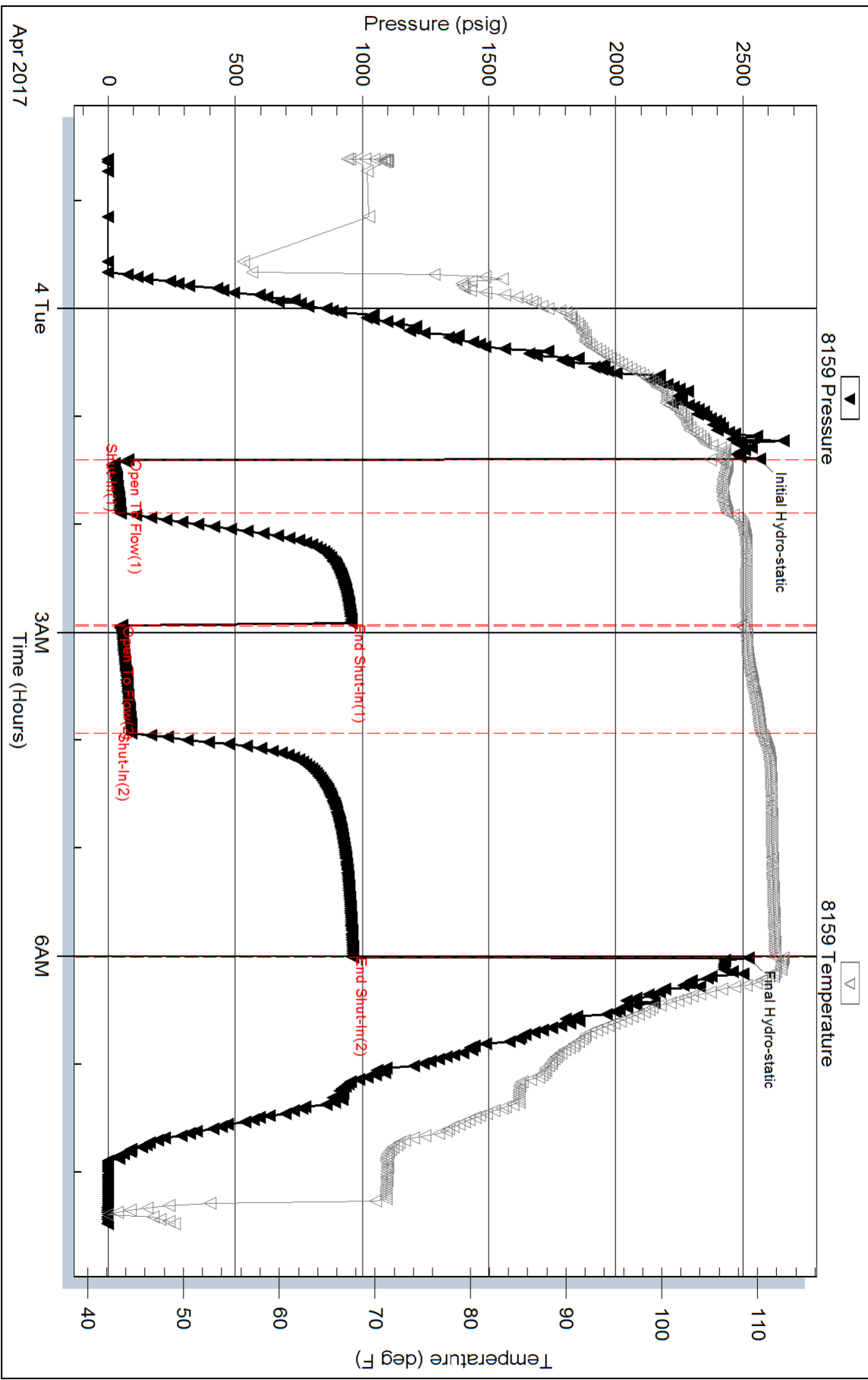
Inside

Vincent Oil Corporation

Keough 5-34

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 59933

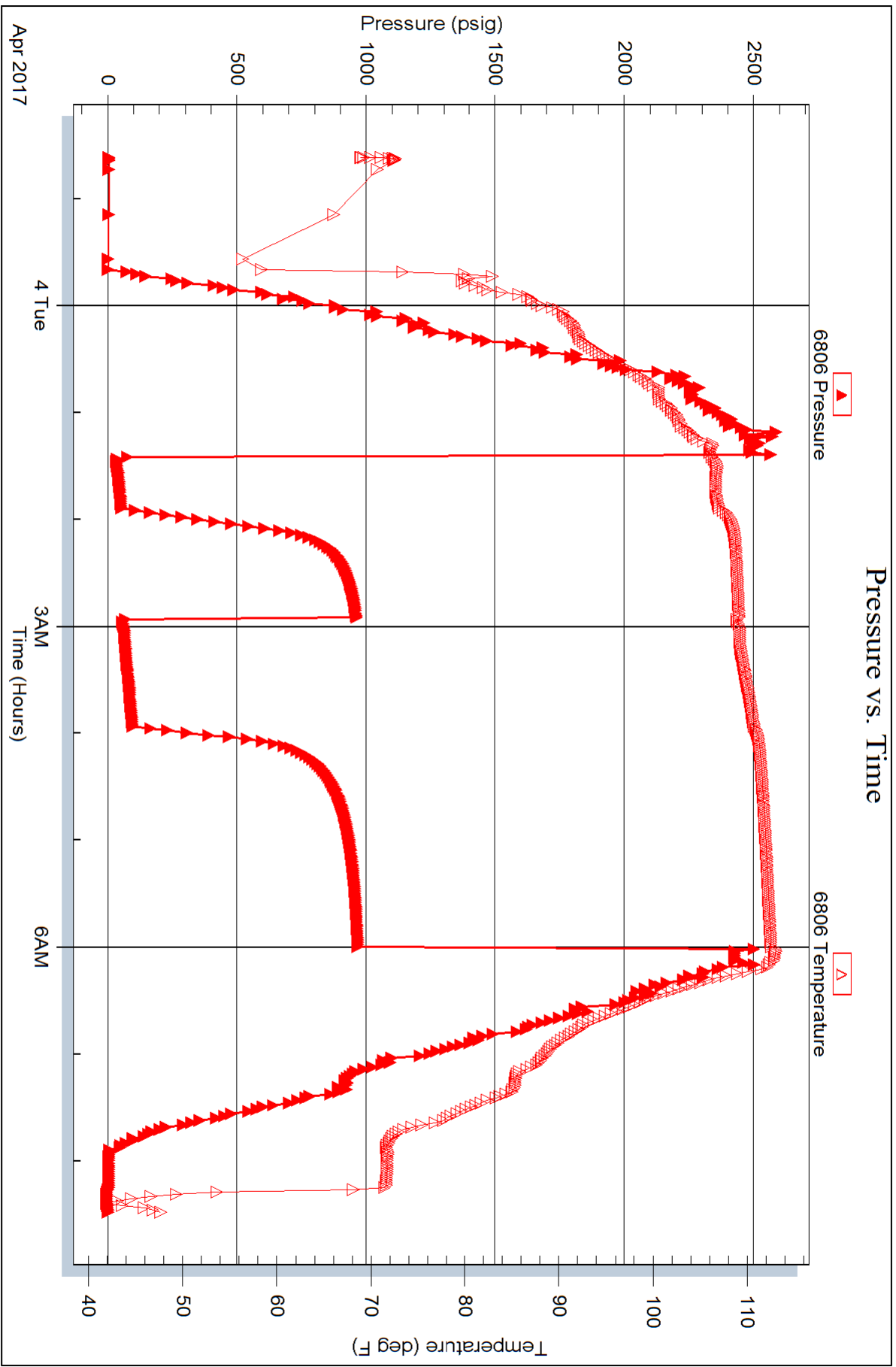
Printed: 2017.04.04 @ 08:51:08

Serial #: 6806

Outside Vincent Oil Corporation

Keough 5-34

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

34-28S-23W Ford

200 W Douglas Ave #725
Wichita, KS 67202

Keough 5-34

Job Ticket: 59934

DST#: 2

ATTN: Ken LeBlanc

Test Start: 2017.04.05 @ 09:38:42

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6900.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	5193 GIP	0.000
10.00	GCM 10%G 90%M	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corporation
200 W Douglas Ave #725
Wichita, KS 67202
ATTN: Ken LeBlanc

34-28S-23W Ford
Keough 5-34
Job Ticket: 59934 **DST#: 2**
Test Start: 2017.04.05 @ 09:38:42

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.25	110.00	197.35
1	20	0.50	78.00	623.30
1	30	0.50	62.00	515.37
2	10	0.50	54.00	461.41
2	20	0.50	72.00	582.83
2	30	0.50	78.00	623.30
2	40	0.50	80.00	636.79
2	50	0.50	82.00	650.28
2	60	0.50	82.00	650.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

34-28S-23W Ford

200 W Douglas Ave #725
Wichita, KS 67202

Keough 5-34

Job Ticket: 59935

DST#: 3

ATTN: Ken LeBlanc

Test Start: 2017.04.06 @ 03:57:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

59000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6900.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GTS	0.000
62.00	SOMCW 2%O 16%M 82%W	0.870
124.00	GOCM 10%G 20%O 70%M	1.739
134.00	Oil	1.880

Total Length: 320.00 ft Total Volume: 4.489 bbl

Num Fluid Samples: 0

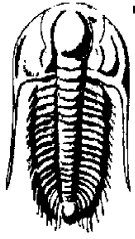
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity Was 39.8 @ 70 degrees
Rw was .12 @ 76 degrees



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corporation
200 W Douglas Ave #725
Wichita, KS 67202
ATTN: Ken LeBlanc

34-28S-23W Ford
Keough 5-34
Job Ticket: 59935 **DST#: 3**
Test Start: 2017.04.06 @ 03:57:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	20	0.13	3.00	6.51
2	30	0.13	3.00	6.51
2	40	0.13	3.00	6.51
2	50	0.13	3.00	6.51
2	60	0.13	3.00	6.51

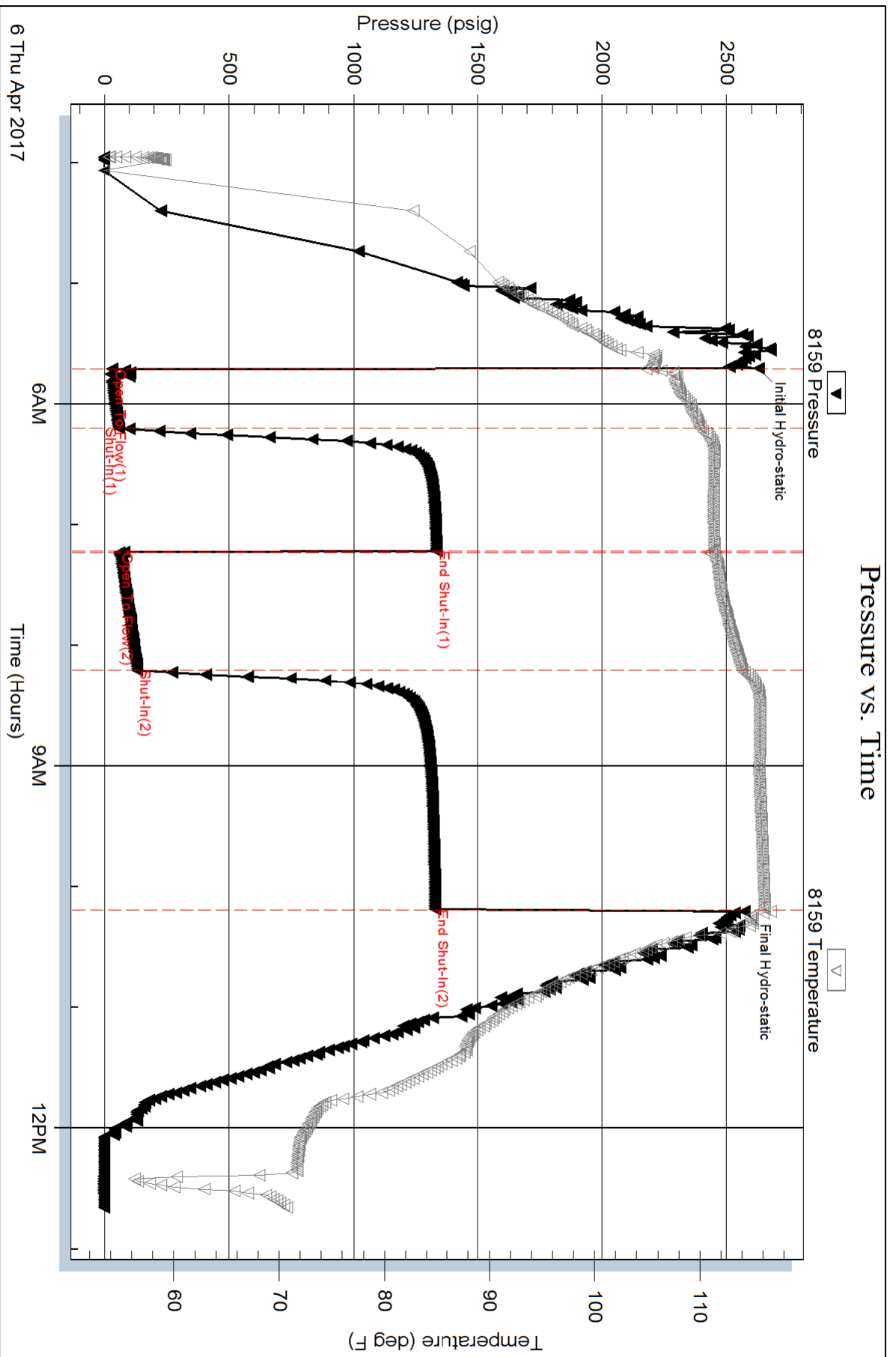
Serial #: 8159

Inside

Vincent Oil Corporation

Keough 5-34

DST Test Number: 3

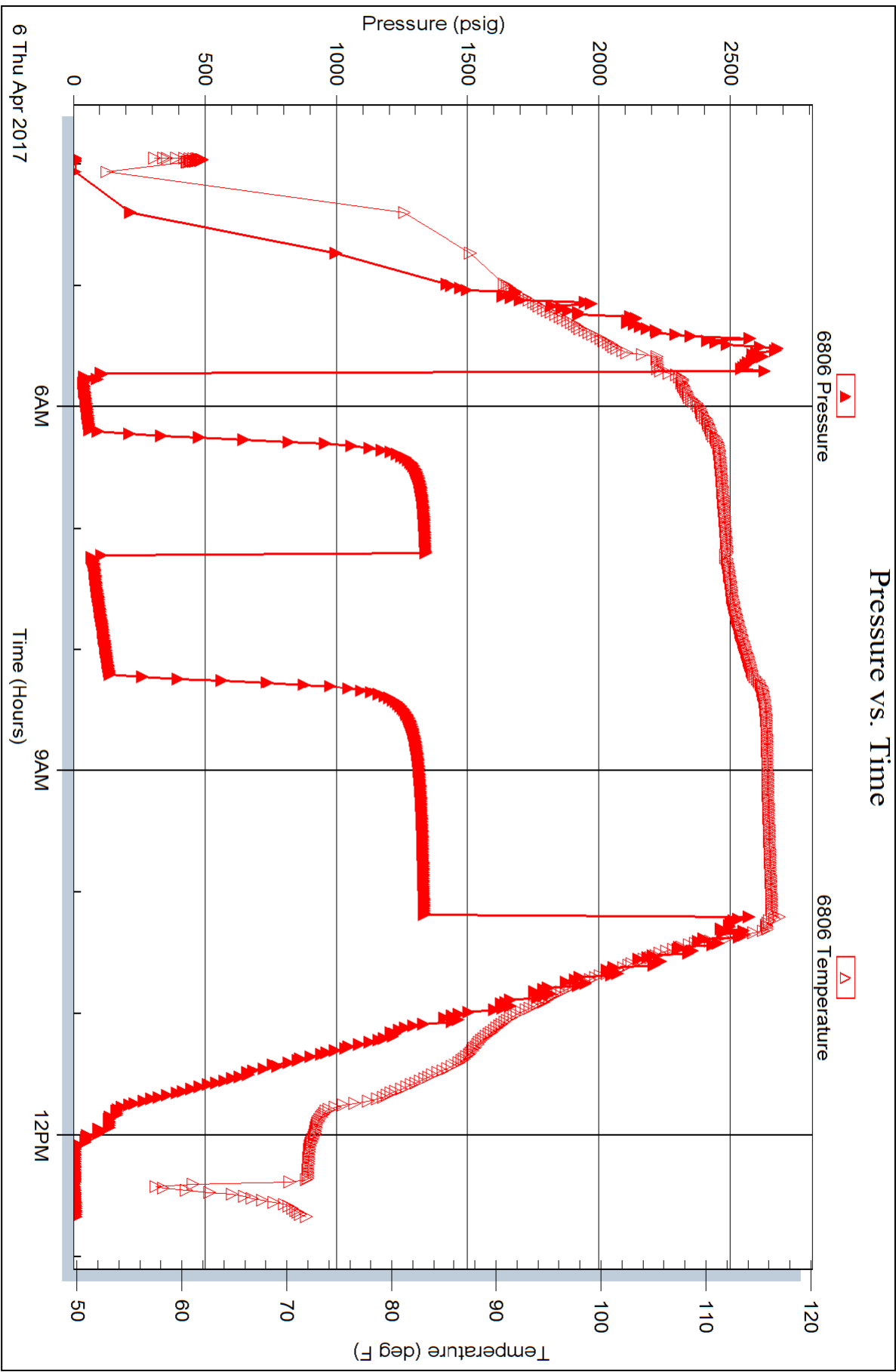


Serial #: 6806

Outside Vincent Oil Corporation

Keough 5-34

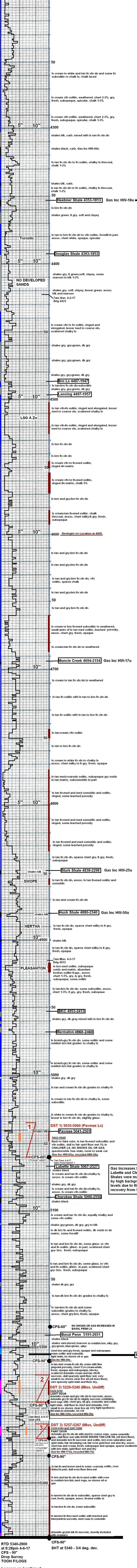
DST Test Number: 3



API: 15-057-20980-0000
Vincent Oil Corporation
 Keough 5-34
 2245 FNL & 1433 FWL
 Sec. 34-T28S-R23W
 Ford County, Kansas
 KB 2540

Displace Mud System
 near 3800 feet

FIELD REPORT



Short Trip 30 Stands - pulled title
 CTCH after short trip 60 minutes
 Pipe Strap at 5060 - 1.73' short to board
 SHT at 5060 - 1 deg. dev.

DST 1) 5035-5060 (Pawnee)
 [30-60-60-120]
 GTS/ 20" on 2nd opening: PSTM
 Rec: 144' Gassy Mud Cut Oil
 (30% g, 50% o, 10% w, 20% m)
 62' Gassy Watery Mud Cut Oil
 (12% g, 64% o, 10% w, 14% m)

206' - Total Fluid - ALL IN DRILL PIPE
 10F' - 77-46, FFP: 46-91
 BHP: 958-963
 (slight blugging on initial flow)
 (NO CHLORIDES AVAILABLE ON GRIND-OUT)

Gas Increases for the
 Labette and Cherokee
 Shales were masked
 by high background
 levels due to the
 recovery from DST 1

RTD 5340-2800
 at 8:28pm 4-6-17
 CFS - 90"
 Drop Survey
 TOOH F/LOGS
 Loggers on location at
 MIGNIGHT
 ELI WL Svc. logging off
 bottom at 1:15am 4-7-17,
 finished logging at
 5:45am 4-7-17
 LTD 5340-2800
 7am Friday 4-7-17
 5340 - preparing to
 run 4-1/2" prod. csg.
 for further evaluation

SHT at 5340 - 3/4 deg. dev.

DST 2) 5020-5040 (Mississippian)
 [30-60-60-120]
 GTS/8" gauging gas
 1st open: 10" on 1/4" choke 197.349 MCFG
 20" on 1/2" choke 623.307 MCFG
 30" on 1/2" choke 515.371 MCFG
 bled off - no blow back
 2nd open: gauging gas
 10" on 1/2" choke 461.405 MCFG
 20" on 1/2" choke 582.828 MCFG
 30" on 1/2" choke 633.367 MCFG
 40" on 1/2" choke 636.793 MCFG
 50" on 1/2" choke 650.285 MCFG
 60" on 1/2" choke 650.285 MCFG
 bled off - no blow back
 Rec: 5193' Gas in Pipe
 10' Gas Cut Mud (10% g, 90% m)

10' - Total Fluid - ALL IN DRILL PIPE
 IFP: 127-153, FFP: 138-172
 BHP: 757-753
 Temp: 111 deg. F

DST 3) 5257-5267 (Mississippian)
 [30-60-60-120]
 GTS/20" on second opening - gauging gas
 20" thru 60" gauged 6.513 MCFG
 Rec: 4946' Gas in Pipe
 124' Oil (100% oil - 38.8 API Gravity)
 134' Gassy Oil Cut Mud
 (10% g, 20% o, 70% m)
 62' Slightly Oily Mud Cut Water
 (2% g, 82% w, 16% m)

320' - Total Fluid - ALL IN DRILL PIPE
 IFP: 30-58, FFP: 59-131
 BHP: 1333-1327
 chlorides of mud system: 8,900 ppm
 chlorides of formation water: 59,000 ppm
 resistivity of formation water: 0.12 @ 76 deg F