

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
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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	PERKINS 1-3
Doc ID	1411743

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	PERKINS 1-3
Doc ID	1411743

Tops

Name	Top	Datum
Heebner Shale	4339	(-1813)
Brown Limestone	4478	(-1952)
Lansing	4489	(-1963)
Stark Shale	4823	(-2297)
Pawnee	5041	(-2515)
Cherokee Shale	5089	(-2563)
Base Penn Limestone	5185	(-2659)
Mississippian	5210	(-2684)
RTD	5375	(-2849)

QUALITY WELL SERVICE, INC.

6792

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

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

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

Date	2-12-18	Sec.	3	Twp.	29	Range	3	County	Ford	State	Ks	On Location	8:00 AM	Finish	11:45 AM
Lease	Perkins	Well No.	1-3			Location Kingsdown W 2 miles Wilbourn Rd. West									
Contractor	Duke 2							Owner miles south into							
Type Job	Surface							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	12 1/4			T.D. 643											
Csg.	8 5/8 23 #			Depth 643											
Tbg. Size				Depth											
Tool				Depth											
Cement Left in Csg.	40'			Shoe Joint 4215			The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line				Displace 38.2			Cement Amount Ordered 125 ss MDC 2% Gel								
EQUIPMENT										3% cc 1/4 C.F. 150 ss Common 2% Gel 3% cc 1/4 C.F.					
Pumptrk	8	No.	Drill		Common 150										
Bulktrk	9	No.	Mix		Rez-Mix MIX 125										
Bulktrk	10	No.	MIX		Gel. 11										
Pickup		No.			Calcium 10										
JOB SERVICES & REMARKS										Hulls					
Rat Hole										Salt					
Mouse Hole										Flowseal 66.25					
Centralizers										Kol-Seal					
Baskets										Mud CLR 48					
D/V or Port Collar										CFL-117 or CD110 CAF 38					
Ran 15% 8 5/8 csg. broke circulation with Rig. Mixed										Sand					
125 ss MDC 2% Gel 3% cc 1/4 C.F.										Handling 296					
150 ss Common 2% Gel 3% cc 1/4 C.F.										Mileage 50					
released Plug pumped 38.2 hulls 11%.										FLOAT EQUIPMENT					
Plug landed 50% cement did circulation to surface										Guide Shoe					
										Centralizer					
										Baskets					
										AFU Inserts					
										Float Shoe LMV *50					
										Latch Down Service Supervisor					
										8 5/8 Baffle Plate					
										8 5/8 Wooden Plug					
										Pumptrk Charge Surface					
										Mileage 100					
										Tax					
										Discount					
										Total Charge					
X Signature															

QUALITY WELL SERVICE, INC.

6797

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	2-24-18	Sec.	3	Twp.	29	Range	23	County	Ford	State	Ks	On Location	12:30	Finish	3:00
Lease	Perkins		Well No.		1-3		Location								
Contractor	Duke				Owner										
Type Job	Longstring				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.		5366										
Csg.	4.5 11.6		Depth		5366										
Tbg. Size			Depth		Street										
Tool			Depth		City State										
Cement Left in Csg.			Shoe Joint		11'										
Meas Line			Displace		83 bbls										
EQUIPMENT												Cement Amount Ordered 225 sy Proc			
Pumptrk	8	No.	Duck		5# Kol Seal 10% salt										
Bulktrk	9	No.	Dillon		Common 225 Proc										
Bulktrk		No.			Poz. Mix										
Pickup		No.			Gel. 4										
JOB SERVICES & REMARKS												Calcium			
Rat Hole												Hulls			
Mouse Hole												Salt 24			
Centralizers												Flowseal			
Baskets												Kol-Seal 1125#			
D/V or Port Collar												Mud CLR 48 Sea Gel Mud Flush			
Ran 4.5 csg to 5366 circulate												CFL-117 or CD110 CAF 38 cc-1 8 bbls.			
the with Rig. mixed pro flush												Sand			
plug. Rat Mouse hole with												Handling 253			
50ss cement Mixer 175 sy												Mileage 50			
Proc shut down washed up												FLOAT EQUIPMENT			
truck. released plug. Displaced												Guide Shoe 1 4.5			
with 83 bbls H ₂ O plug landed.												Centralizer 6 4.5			
released float held.												Baskets			
												AFU Inserts 1 4.5			
												Float Shoe 1 4.5 Rubber Plug			
												Latch Down			
												LMV 50			
												Service supervision			
												Pumptrk Charge Longstring			
												Mileage 100			
												Tax			
												Discount			
												Total Charge			
X Signature															



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

3-29S-23W Ford

200 W Douglas Ave #725
Wichita, KS 67202

Perkins 1-3

Job Ticket: 63362

DST#: 1

ATTN: Tom Dudgeon

Test Start: 2018.02.19 @ 16:19:25

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:

58000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1290 GIP	0.000
441.00	Water	6.186
126.00	GOMCW 10%G 5%O 5%M 80%W	1.767
156.00	GMCO 20%G 40%M 40%O	2.188

Total Length: 723.00 ft Total Volume: 10.141 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

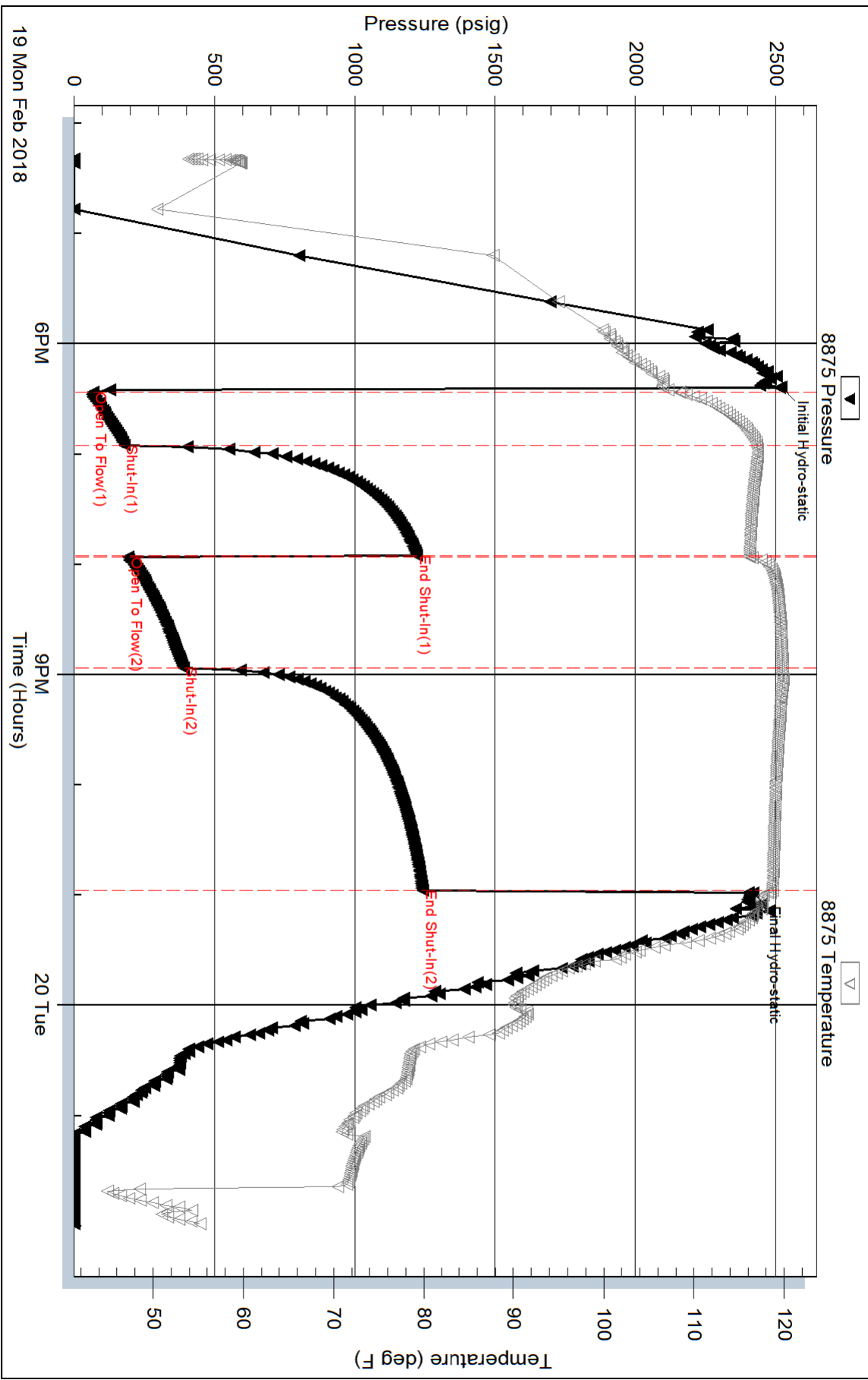
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .3 @ 30degrees

Pressure vs. Time

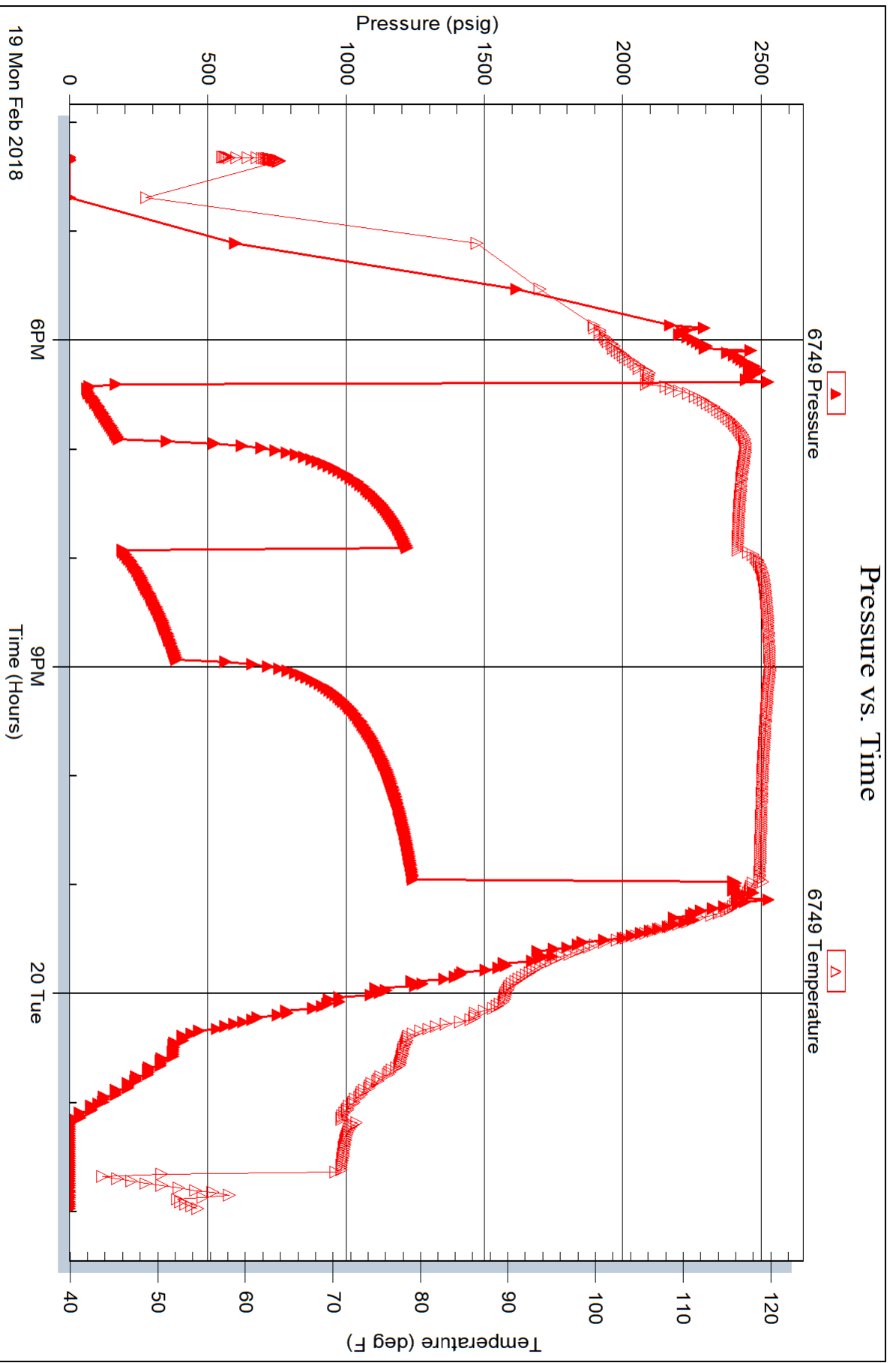


Serial #: 6749

Outside Vincent Oil Corporation

Perkins 1-3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63362

Printed: 2018.02.20 @ 06:29:44



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vincent Oil Corporation
 200 W Douglas Ave #725
 Wichita, KS 67202
 ATTN: Tom Dudgeon

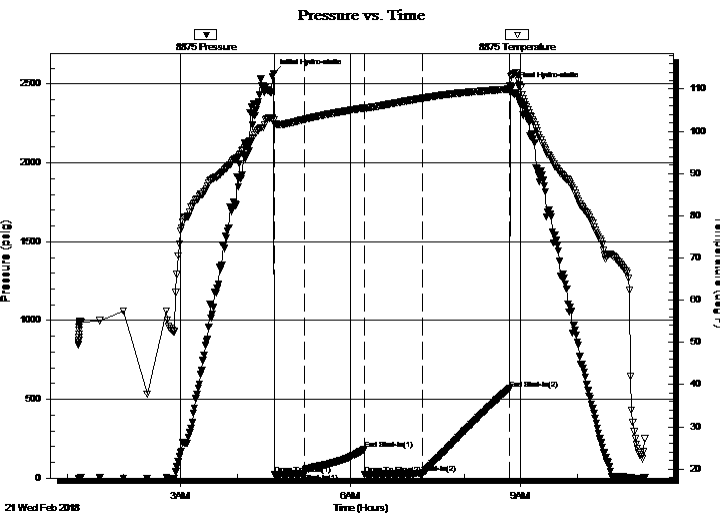
3-29S-23W Ford
Perkins 1-3
 Job Ticket: 63363 **DST#: 2**
 Test Start: 2018.02.21 @ 01:12:11

GENERAL INFORMATION:

Formation: **Morrow/Penn**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:39:43
 Time Test Ended: 11:11:58
 Interval: **5138.00 ft (KB) To 5215.00 ft (KB) (TVD)**
 Total Depth: 5215.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 2526.00 ft (KB)
 2518.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8875 Inside
 Press@RunDepth: 29.57 psig @ 5139.00 ft (KB) Capacity: psig
 Start Date: 2018.02.21 End Date: 2018.02.21 Last Calib.: 2018.02.21
 Start Time: 01:12:12 End Time: 11:11:58 Time On Btm: 2018.02.21 @ 04:38:43
 Time Off Btm: 2018.02.21 @ 08:49:43

TEST COMMENT: IF: Weak 1 inch Blow , Died Off to 1/2 inch
 IS: No Blow Back
 FF: Fair Blow , BOB in 20 minutes, Built to 21 inches
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2567.74	102.75	Initial Hydro-static
1	22.03	101.79	Open To Flow (1)
33	27.24	102.81	Shut-In(1)
96	181.13	105.48	End Shut-In(1)
97	23.21	105.48	Open To Flow (2)
158	29.57	107.84	Shut-In(2)
250	567.31	110.03	End Shut-In(2)
251	2483.82	112.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SGCM 5%G 95%M	0.56

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

3-29S-23W Ford

200 W Douglas Ave #725
Wichita, KS 67202

Perkins 1-3

Job Ticket: 63363

DST#: 2

ATTN: Tom Dudgeon

Test Start: 2018.02.21 @ 01:12:11

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: 72.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	SGCM 5%G 95%M	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

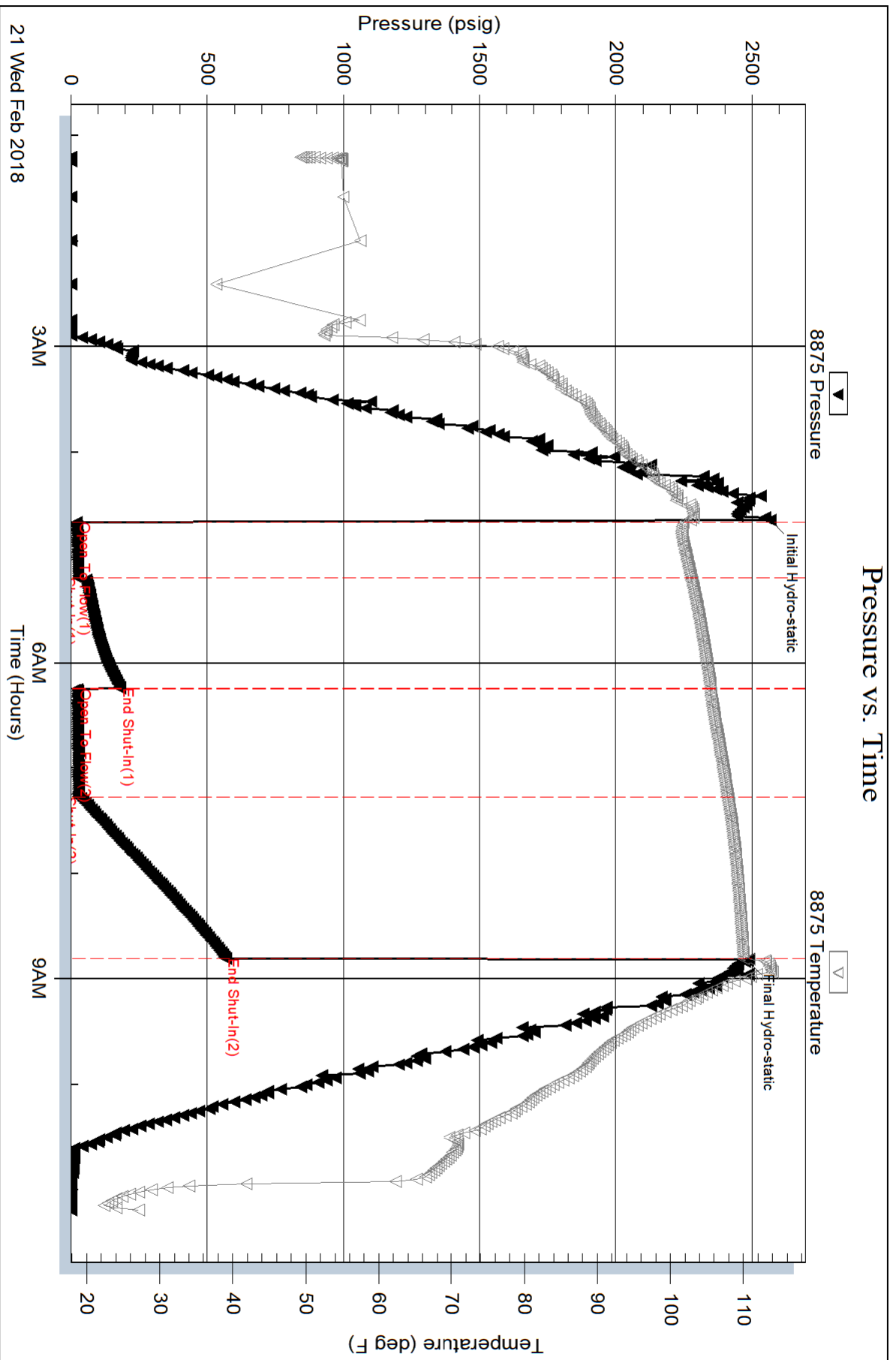
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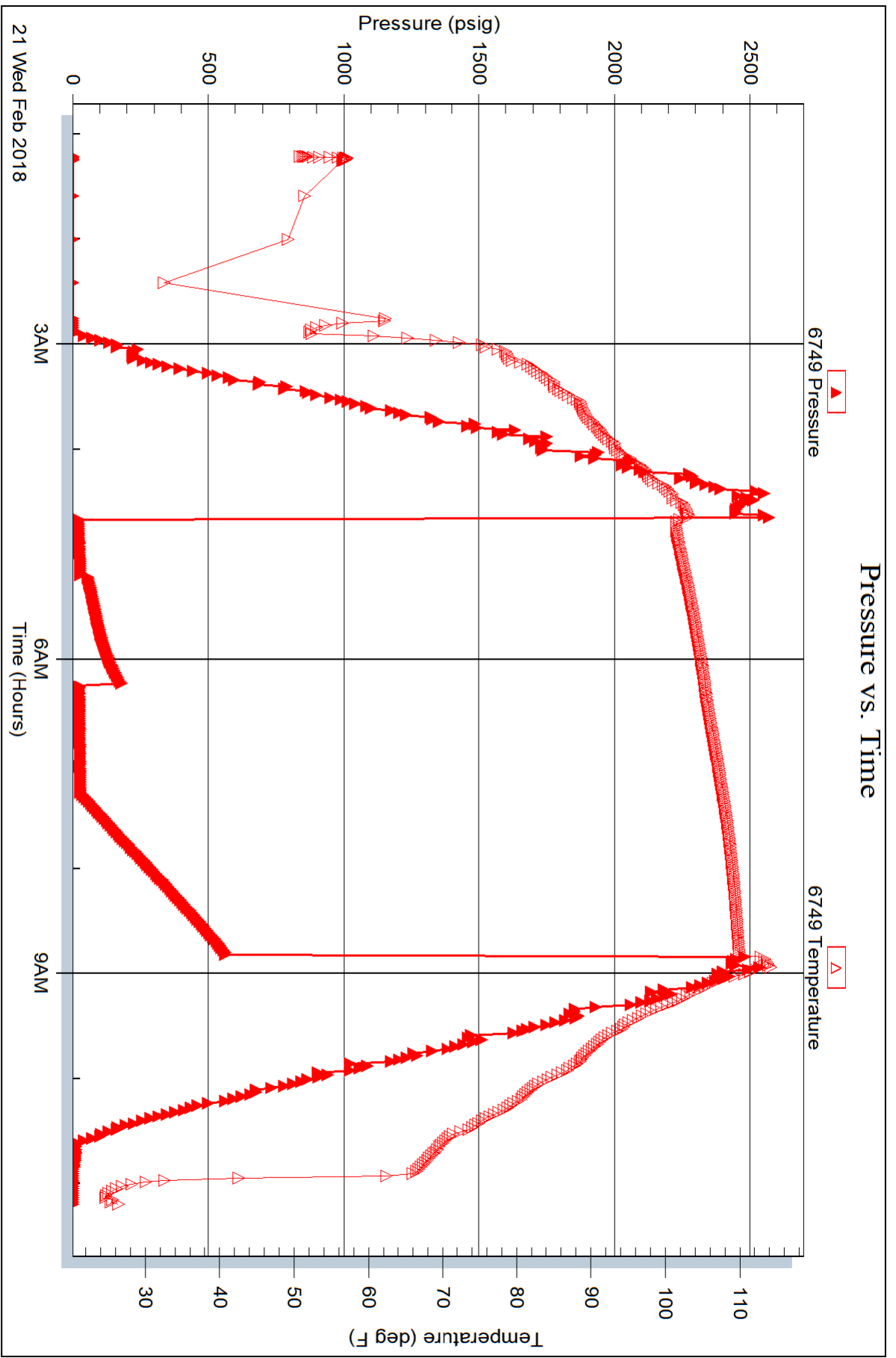
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vincent Oil Corporation
200 W Douglas Ave #725
Wichita, KS 67202
ATTN: Tom Dudgeon

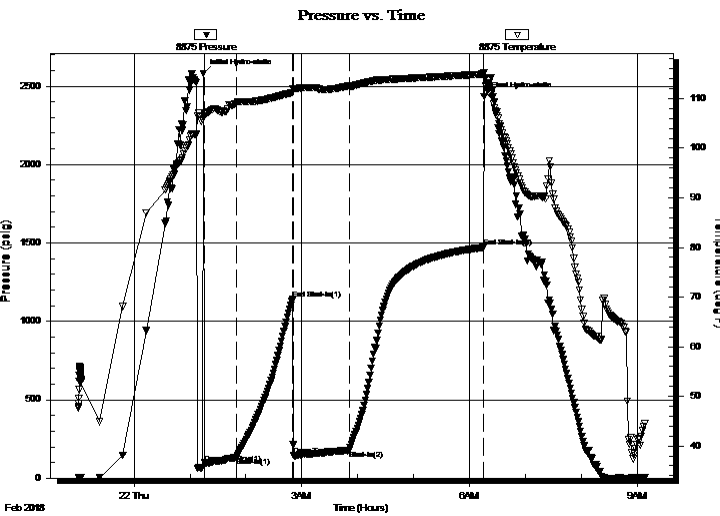
3-29S-23W Ford
Perkins 1-3
Job Ticket: 63364 **DST#: 3**
Test Start: 2018.02.21 @ 23:00:24

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:15:26
Time Test Ended: 09:08:11
Interval: **5188.00 ft (KB) To 5250.00 ft (KB) (TVD)**
Total Depth: 5250.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74
Reference Elevations: 2526.00 ft (KB)
2518.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8875 Inside
Press@RunDepth: 179.07 psig @ 5189.00 ft (KB) Capacity: psig
Start Date: 2018.02.21 End Date: 2018.02.22 Last Calib.: 2018.02.22
Start Time: 23:00:25 End Time: 09:08:11 Time On Btm: 2018.02.22 @ 01:14:26
Time Off Btm: 2018.02.22 @ 06:15:56

TEST COMMENT: IF: Strong Blow , BOB in 10 seconds, Built to 110 inches
IS: Blow Back Built to 5 inches
FF: Strong Blow , BOB in 30 seconds, Built to 305 inches
FS: No Blow Back, GTS During Final Bleed Off



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2581.59	106.46	Initial Hydro-static
1	96.80	106.43	Open To Flow (1)
36	133.89	109.01	Shut-In(1)
96	1140.00	111.25	End Shut-In(1)
98	145.56	112.08	Open To Flow (2)
157	179.07	112.53	Shut-In(2)
301	1472.08	114.94	End Shut-In(2)
302	2433.86	115.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
126.00	GMCO 32%G 32%M 36%O	1.77
189.00	GOCM 10%G 20%O 70%M	2.65
10.00	SOSM 2%O 98%M	0.14

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

3-29S-23W Ford

200 W Douglas Ave #725
Wichita, KS 67202

Perkins 1-3

Job Ticket: 63364

DST#: 3

ATTN: Tom Dudgeon

Test Start: 2018.02.21 @ 23:00:24

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	GTS	0.000
126.00	GMCO 32%G 32%M 36%O	1.767
189.00	GOCM 10%G 20%O 70%M	2.651
10.00	SOSM 2%O 98%M	0.140

Total Length: 325.00 ft

Total Volume: 4.558 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

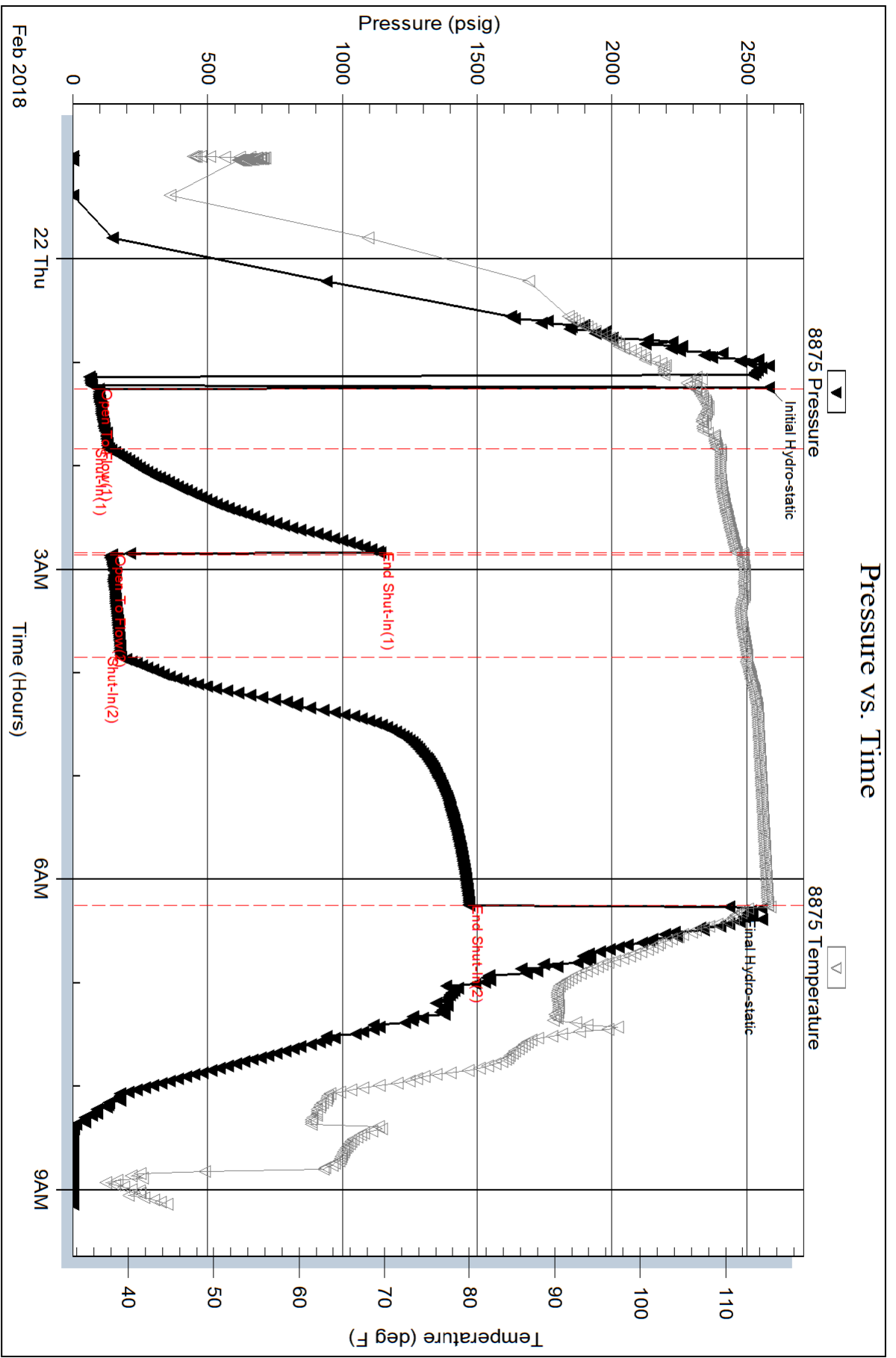
Serial #: 8875

Inside

Vincent Oil Corporation

Perkins 1-3

DST Test Number: 3

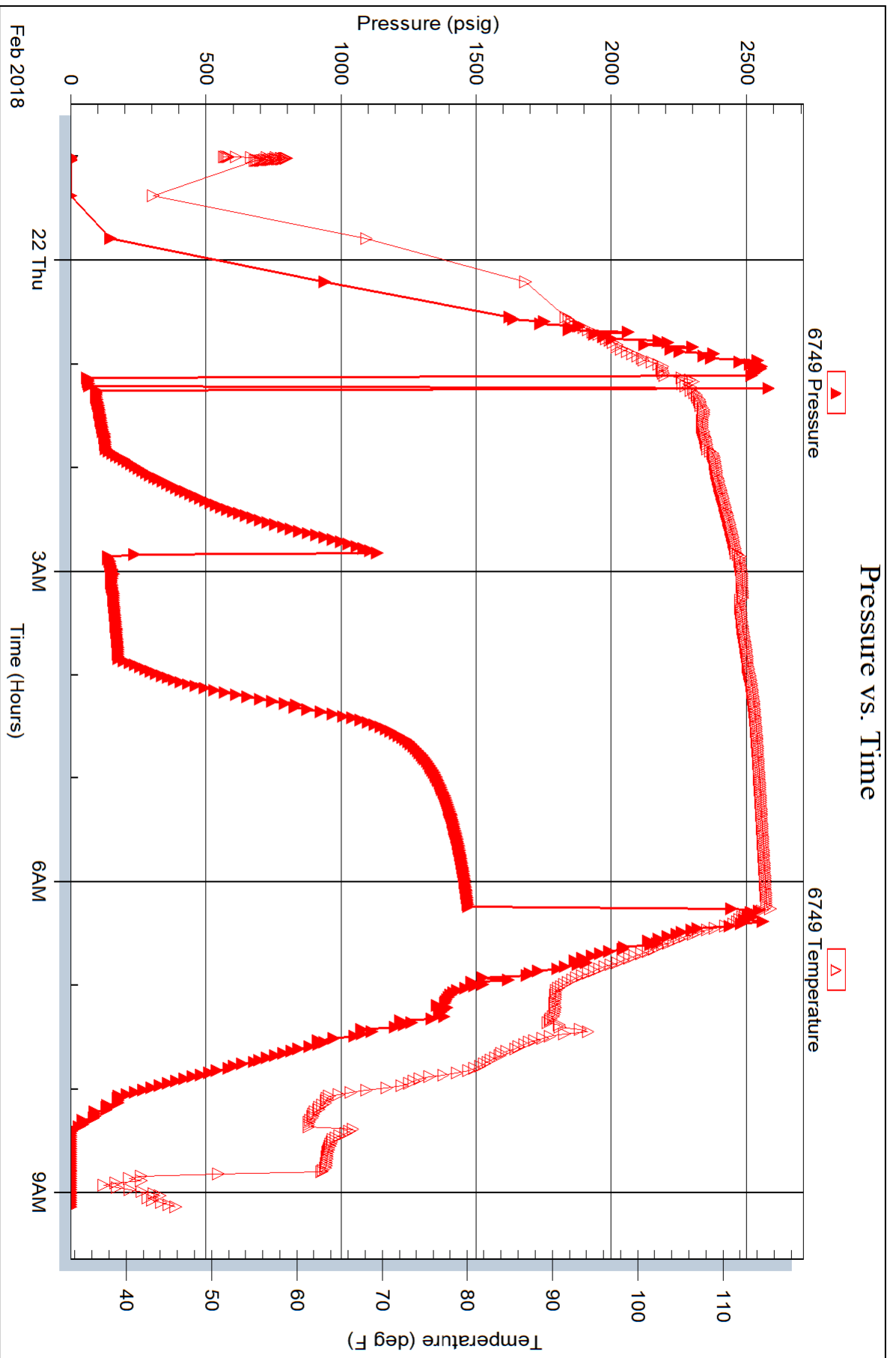


Serial #: 6749

Outside Vincent Oil Corporation

Perkins 1-3

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vincent Oil Corporation
200 W Douglas Ave #725
Wichita, KS 67202
ATTN: Tom Dudgeon

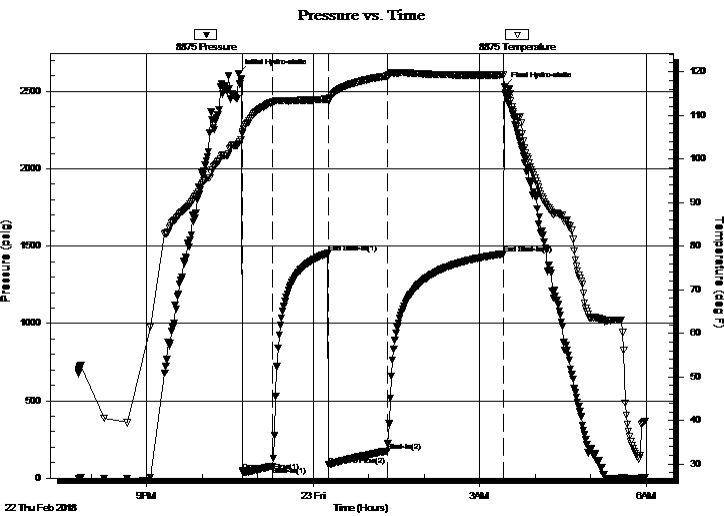
3-29S-23W Ford
Perkins 1-3
Job Ticket: 63365 **DST#: 4**
Test Start: 2018.02.22 @ 19:46:31

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:43:33
Time Test Ended: 05:58:18
Interval: **5252.00 ft (KB) To 5278.00 ft (KB) (TVD)**
Total Depth: 5278.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74
Reference Elevations: 2526.00 ft (KB)
2518.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8875 Inside
Press@RunDepth: 175.81 psig @ 5253.00 ft (KB) Capacity: psig
Start Date: 2018.02.22 End Date: 2018.02.23 Last Calib.: 2018.02.23
Start Time: 19:46:32 End Time: 05:58:18 Time On Btm: 2018.02.22 @ 22:39:33
Time Off Btm: 2018.02.23 @ 03:27:03

TEST COMMENT: IF: Strong Blow , BOB in 2 minutes, Built to 46 inches
IS: No Blow Back
FF: Fair Blow , BOB in 9 minutes, Built to 42 inches
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2616.96	103.42	Initial Hydro-static
4	46.20	106.15	Open To Flow (1)
37	78.26	113.02	Shut-In(1)
97	1453.98	113.68	End Shut-In(1)
98	86.40	113.38	Open To Flow (2)
161	175.81	119.00	Shut-In(2)
287	1450.36	119.27	End Shut-In(2)
288	2530.98	116.49	Final Hydro-static

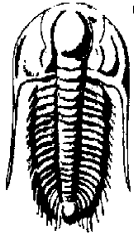
Recovery

Length (ft)	Description	Volume (bbl)
315.00	Water	4.42
63.00	WCM 40%W 60%M	0.88
6.00	OCM 30%O 70%M	0.08

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

3-29S-23W Ford

200 W Douglas Ave #725
Wichita, KS 67202

Perkins 1-3

Job Ticket: 63365

DST#: 4

ATTN: Tom Dudgeon

Test Start: 2018.02.22 @ 19:46:31

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:

60000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
315.00	Water	4.419
63.00	WCM 40%W 60%M	0.884
6.00	OCM 30%O 70%M	0.084

Total Length: 384.00 ft Total Volume: 5.387 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

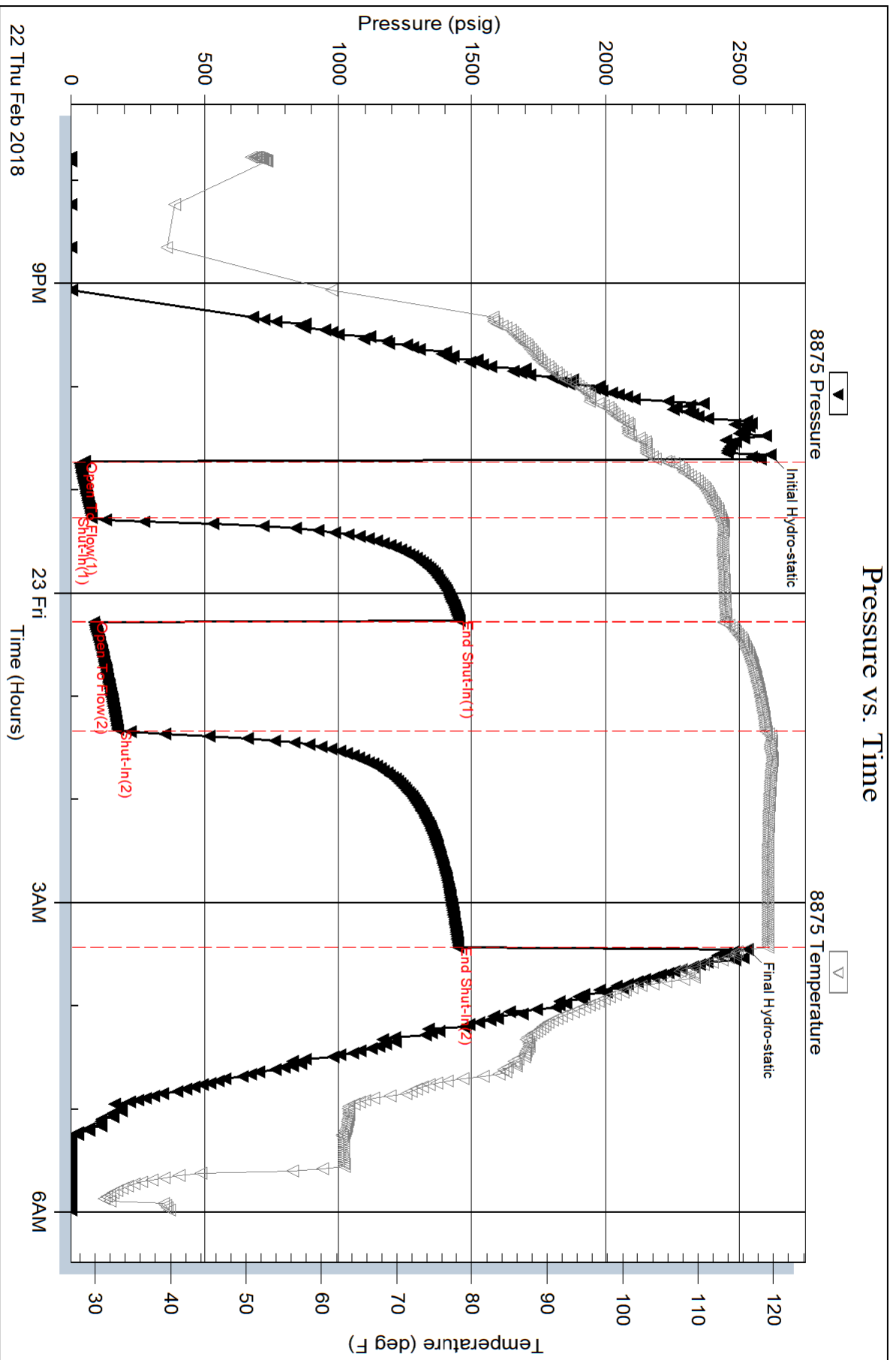
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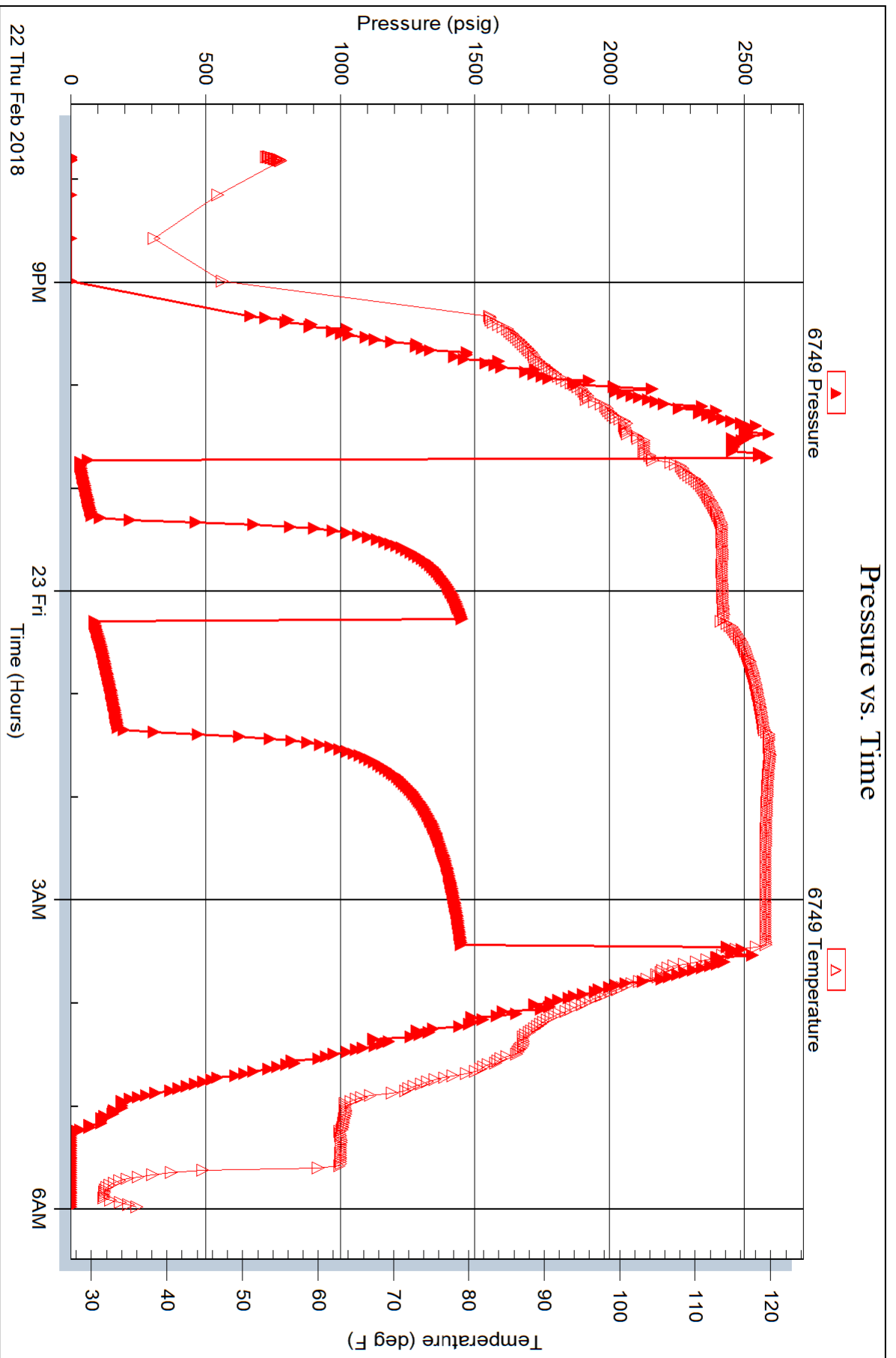
Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .25 @36 degrees

Pressure vs. Time







Scale 1:240 Imperial

Well Name: Vincent Oil Corporation
Surface Location: 1324' FNL 2387' FEL 3-29S-22W
Bottom Location:
API: 15-057-20992-0000
License Number: 5004
Spud Date: 2/11/2018 Time: 4:45 PM
Region:
Drilling Completed: 2/23/2018 Time: 2:52 PM
Surface Coordinates: 1324' FNL & 2387' FEL
Bottom Hole Coordinates:
Ground Elevation: 2518.00ft
K.B. Elevation: 2526.00ft
Logged Interval: 4200.00ft To: 5375.00ft
Total Depth: 5375.00ft
Formation: Mississippian
Drilling Fluid Type: Chemical Mud

OPERATOR

Company: Vincent Oil Corporation
Address: 200 W Douglas Ave
Ste 725
Wichita, KS 67202
Contact Geologist: Dick Jordan
Contact Phone Nbr: 316-262-3573
Well Name: Vincent Oil Corporation
Location: 1324' FNL 2387' FEL 3-29S-22W API: 15-057-20992-0000
Pool: Developmental Field: Mulberry Creek
State: Kansas Country: USA

CONTRACTOR

Contractor: Duke Drilling Co., Inc.
Rig #: 2
Rig Type: Mud Rotary
Spud Date: 2/11/2018 Time: 4:45 PM
TD Date: 2/23/2018 Time: 2:52 PM
Rig Release: 3/24/2018 Time: 3:00 PM

LOGGED BY

Company: Vincent Oil Corporation
Address: 200 W Douglas Ave
Ste 725
Wichita, KS 67202
Phone Nbr: 316-262-3573
Logged By: Geologist Name: Tom Dudgeon

ELEVATIONS

K.B. Elevation: 2526.00ft Ground Elevation: 2518.00ft
K.B. to Ground: 8.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -99.8213476 Latitude: 37.5536258
 N/S Co-ord: 1324' FNL
 E/W Co-ord: 2387' FEL

TOTAL DEPTH

Measurement Type:	Measurement Depth:	TVD:
RTD	5375.00	5372.00
LTD	5372.00	5372.00

DRILLING FLUID SUMMARY

Type	Date	From Depth	To Depth
Chemical Mud	3/2/2018	3781.00ft	5375.00ft

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size	12.25 in		7.88 in		
Hole Size	12.25 in		7.88 in		
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8.625 in	643 ft	23	15	2/12/2018 12:00 PM
Int Casing					
Prod Casing	4.5 in	5366 ft	11.6	122	

CASING SEQUENCE

Type	Hole Size	Casing Size	At
Surface	12.25 in	8.63	643.00 ft
Production	7.88 in	4.50	5366.00 ft

OPEN HOLE LOGS

Logging Company: ELI Wireline
 Logging Engineer: Gus Pfanenstiel
 Truck #: 1523
 Logging Date: 2/23/2018 Time Spent: 6
 # Logs Run: 4 # Logs Run Successful: 4

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
DI	0.00ft	5372.00ft	3.00		1
NDE/NEU/PE	4250.00ft	5348.00ft	3.00		1
Micro	4250.00ft	5352.00ft	3.00		2
Sonic	0.00ft	5363.00ft	3.00		2

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
3/2/2018	0.00ft	5372.00ft	Logs Ran Successfully

NOTES

Perkins 1-3 Tops			KB	2526
			Struct. Position	
Top	Depth	Datum	Keough 9-34	
HBR	4339	-1813	3	
BRN LM	4480	-1954	-1	
LANS	4497	-1971	FLAT	
STARK	4828	-2302	FLAT	
HUSH	4865	-2339	4	
BKC	4944	-2418	1	
MARM	4973	-2447	1	
PAW	5043	-2517	-5	

LAB	5071	-2545	-6	
CHER	5093	-2567	-5	
B/PENN	5191	-2665	-4	
MISS	5216	-2690	1	

Surface Cement- 125 sx MDC (2%gel, 3% CC), 150 sx Common (2% gel, 3% CC, 1/4# Cel-flake/sx)

Production Casing Cement- 175 sx ProC Cement

Plugged Rathole w/ 30 sx, Plugged mousehole w/ 20 sx.

DST #1

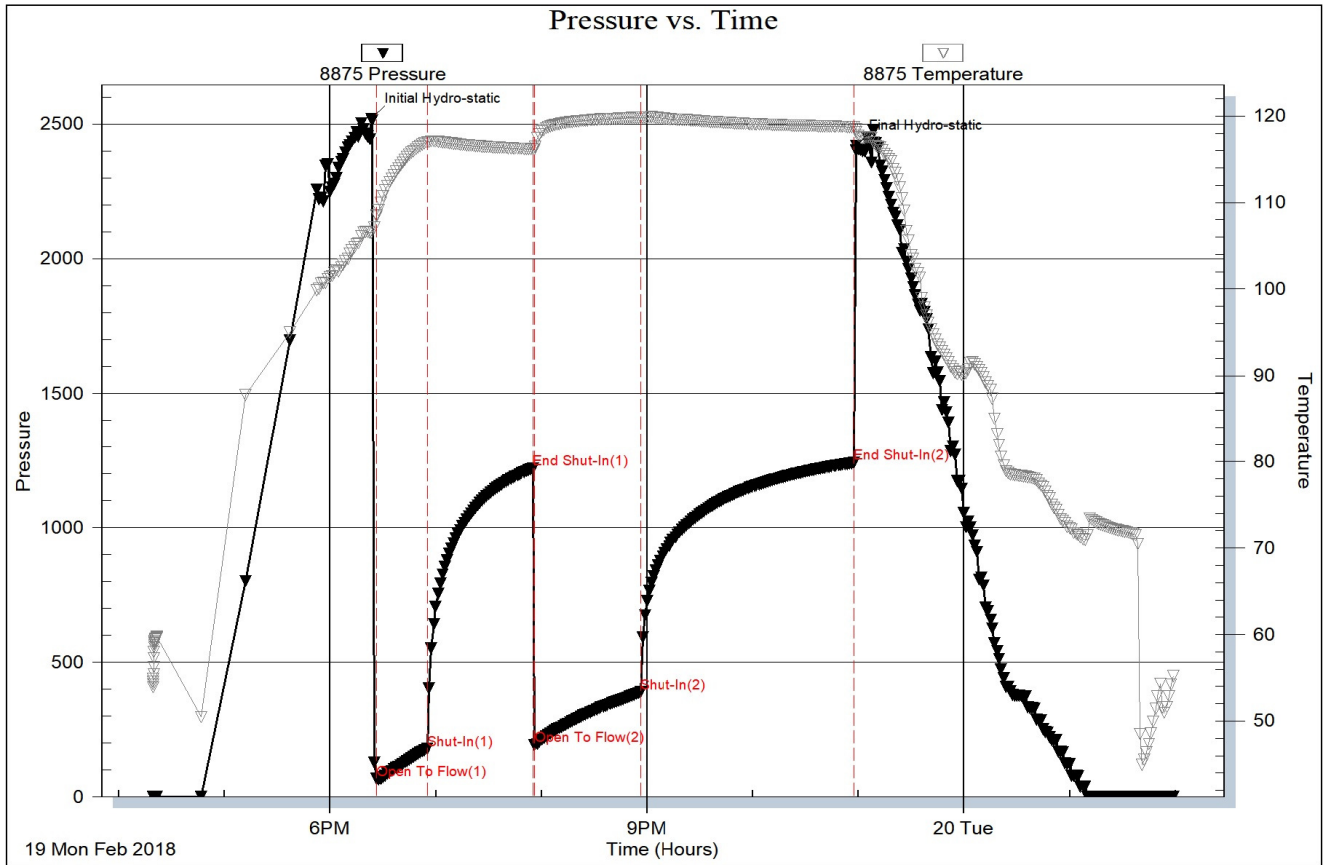
Serial #: 8875

Inside

Vincent Oil Corporation

Perkins #1-3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63362

Printed: 2018.02.23 @ 15:03:31

DST #2

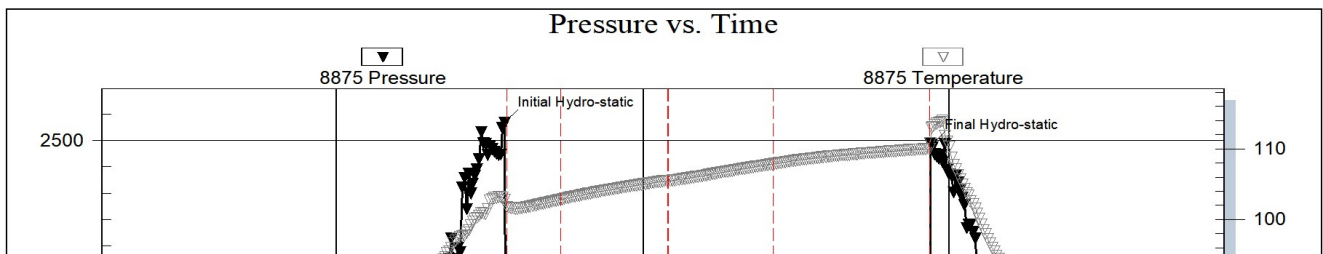
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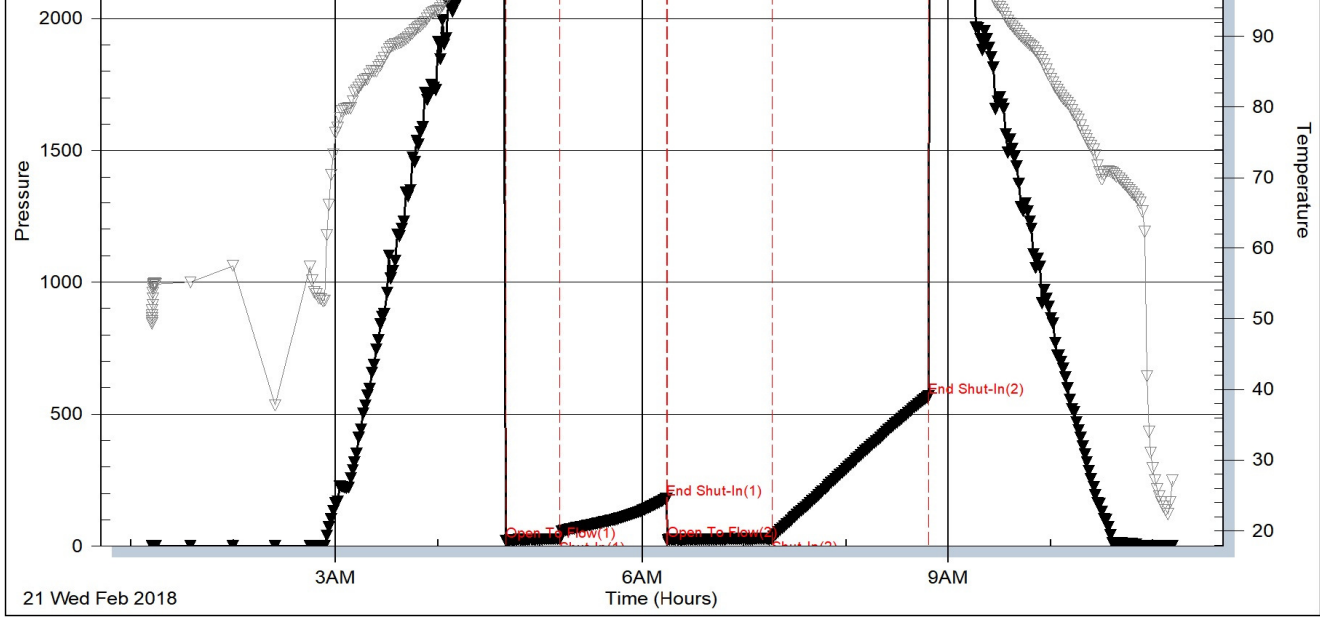
Inside

Vincent Oil Corporation

Perkins #1-3

DST Test Number: 2





DST #3

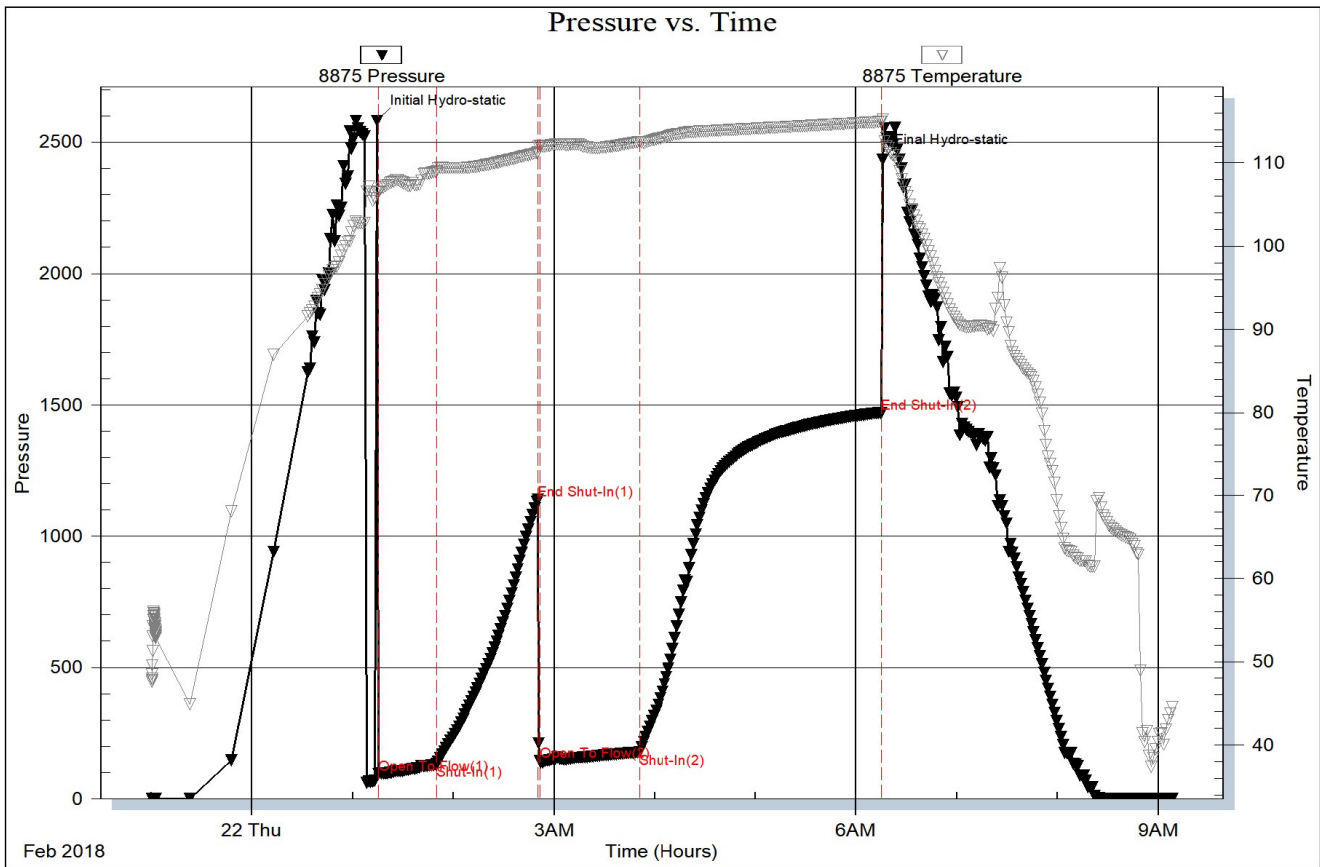
Serial #: 8875

Inside

Vincent Oil Corporation

Perkins #1-3

DST Test Number: 3



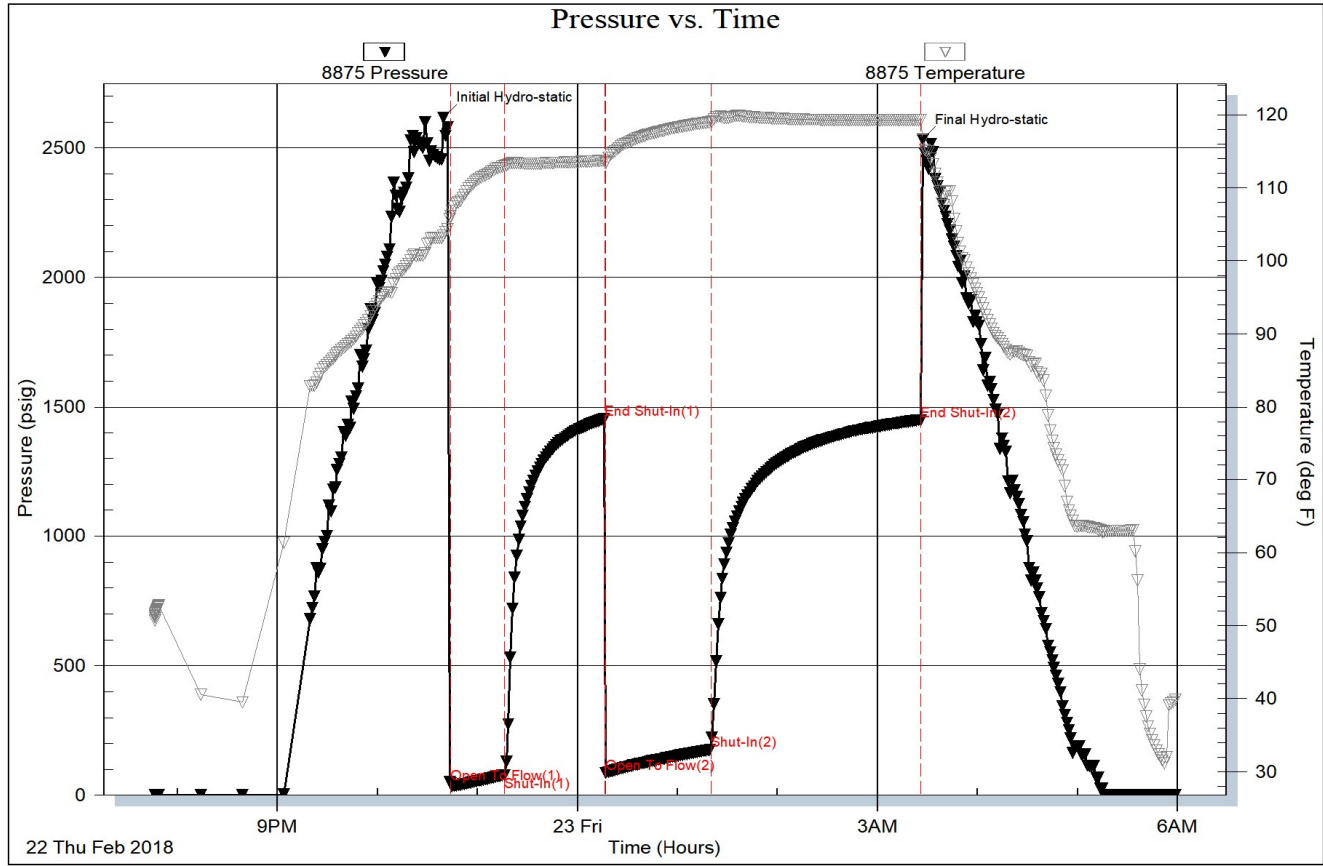
DST #4

Serial #: 8875

Inside Vincent Oil Corporation

Perkins #1-3

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 63365

Printed: 2018.02.23 @ 15:01:39

ROCK TYPES

	Cht		Dolsec		Shgy		Cht vari
	Coal		Lmst fw<7		Shbck		
	Congl		Lmst fw>7		Shcol		

ACCESSORIES

MINERAL

- Argillaceous
- Carbonaceous Flakes
- ▲ Chert, dark
- P Pyrite
- Sandy
- Silty
- Varicolored chert
- ▧ Euhed rhombs of dol or c
- △ Chert White

FOSSIL

- ⊖ Bioclastic or Fragmental
- ⊙ Crinoids
- F Fossils < 20%
- ⊘ Oolite

STRINGER

- ▨ Dolomite
- ▨ Limestone
- ▨ Sandstone
- ▨ Shale

TEXTURE

- C Chalky
- CX Cryptocrystalline
- e Earthy
- FX Finexln
- MX Microxln

OTHER SYMBOLS

POROSITY TYPE

- × Intercrystalline
- ⊕ Interoolitic
- ∇ Vuggy
- P Pinpoint
- ∩ Moldic
- O Organic
- F Fracture
- e Earthy
- ▣ Fenestral

OIL SHOWS

- Even Stn
- Spotted Stn 50 - 75 %
- Spotted Stn 25 - 50 %
- Spotted Stn 1 - 25 %
- Questionable Stn
- D Dead Oil Stn
- Fluorescence

INTERVALS

- Core
- DST

Curve Track #01		Depth Intervals	Porosity Types	Interpreted Lithology	Oil Shows	Geological Descriptions	Comment
Total Gas (units)	ROP (min/ft)						
1:240 Imperial							
0	100	4150					
0	10	4160					
		4170					
		4180					
		4190					
		4200					
		4210					
		4220					
		4230					
		4240					
0	100	4250					
0	10	4260					
		4270					
		4280					
		4290					
		4300					
		4310					
		4320					

Vis 53
Wt 8.9
LCM .5#
Filt 8.0
Cl 8,300

Vis 52
Wt 9.2
LCM
Tr

Geo on Location @ 1:30 PM 2/17/2018
Bloodhound Gas Unit provided by Bluestem Labs
Unit 5258

Key Well for Structural Position:
Keough 9-34
1124' FSL & 1376 FWL 34-28S-23W

WS-MS, crm to tan, chalky to f-xln/massive, firm, gritty pcs, micro oolitic, NS, pp to int-ool. por. some SH, grays

MS, crm to tan, most pcs chalky, some f-xln, scatt oolitic pcs, some gray, dense, fossils, SH, gray, red, green

SH, gray, green
MS-WS, tan to crm, gritty to f-xln, tite, mirco oolitic to fossilif. pcs, crinoid sections, NS

MS, crm to tan, chalky to gritty, some fossils, NS

MS, tan, crm, f-xln, massive, some pcs gritty A.A., scatt fossils, NS

MS-WS, crm to lt. gray, f-xln to chalky, some fossilif. pcs, firm, friable, NS, scatt SH, gray

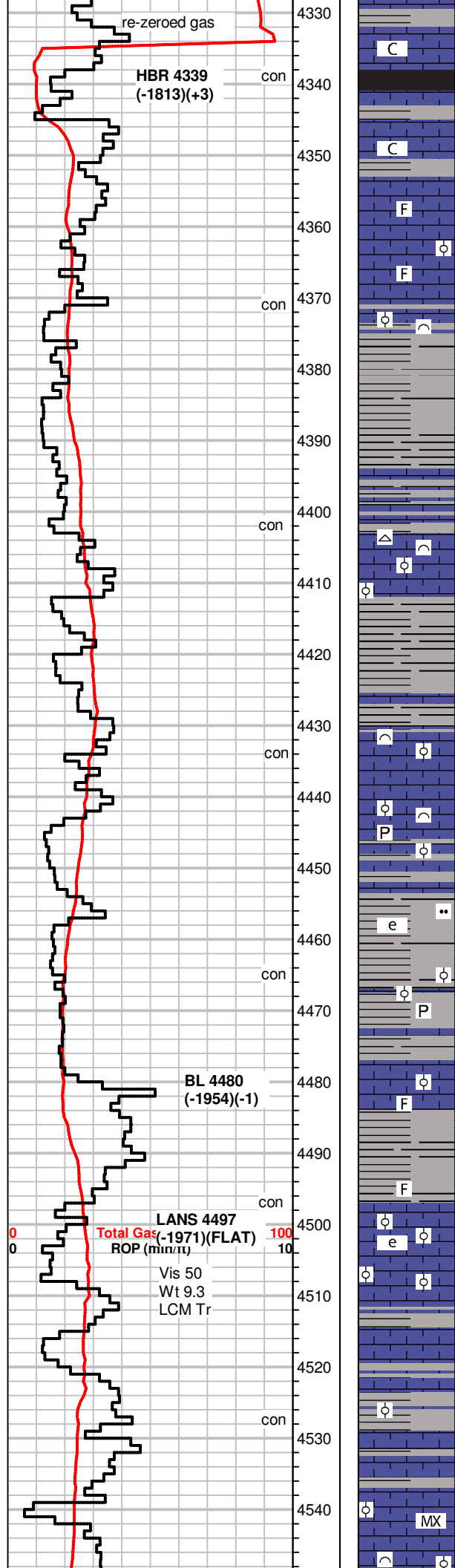
MS-WS, crm to tan, f-xln, gritty/micro oolitic pcs, dense to chalky matrix, fossils, SH, dk. gray, gray, brn, carbonaceous

MS, crm to brn, off wht, chalky, scatt fossils, NS

MS, crm to brn, off wht, chalky to dense, massive pcs, fossils, soft pcs scatt, dull fluor, NS

Add poly (1/2 can)

+6 UGK, shale gas



SH, gray to dk. gray, MS, crm, vf-xln, tite scatt fossils, some pcs chalky, NS

SH, blk, gray, carb., sli. gassy pcs

MS, crm to off wht, f-xln to chalky, soft to hard, fossils scatt, NS

SH, blk to brn, gray

MS, crm to off wht, f-xln, dense, NS

MS-WS, crm to tan, gray, chalky to f-xln, some fossils, gritty pcs, mineral specs, NS, scatt SH, gray

MS-WS, crm to brn, mottled pcs, shcalky to dense, fossil frgmts throughout, firm to hard,

SH, gray, brn, limey, gritty/silty in part

SH, blk, gray,

MS, crm to lt. gray, A.A., oolitic/fossilif, txt, chalky in part, mottled pcs, dull fluor, NS

SH, blk, gassy, grays

MS-WS, crm to lt. tan, lt. gray, f to m-xln, fossils, dense, hard

MS, crm to tan, gray, A.A., chalky txt, Chert, wht lesser SH, dk. gray

MS, crm to lt. gray, f-xln to chalky, sub oolitic pcs, firm, dull fluor, NS

SH, blk, grays

SH, blk, gray, green, brn, silty

MS, crm, earthy, firm, NS

SH, A.A., MS, brn to tan, shaly in part, fossilif., dense, dull fluor, NS

MS, scatt WS, crm to brn, m-xln to dense/massive txt, fossils, chalky in part, pyrite, NS

SH, gray to green, soft

SH, grays, brn,

MS, crm to lt. tan, f-xln to earthy/shaly, fossils, f-gr oolitic pcs, some sub oolitic, NS,

MS-WS, crm to brn, f-xln chalky to dense pcs, fossilif, mottled pcs scatt

Some SH, blk, gray, pyrite, silty

MS-WS, crm, f-xln to sli. chalky, fossilif., friable

SH, lt. gray, green

SH, blk, gray, green

MS, brn, f-xln, dense, some scatt fossils, hard, NS

MS, crm to rare gray, earthy to chalky, some pcs w/ ooids/fossil frgmts in soft matrix, some pcs f-xln, dense, fossilif., dull fluor, NS

MS, crm to brn, f-xln to chalky, mic-xln pcs scatt, hard

SH, gray, silty

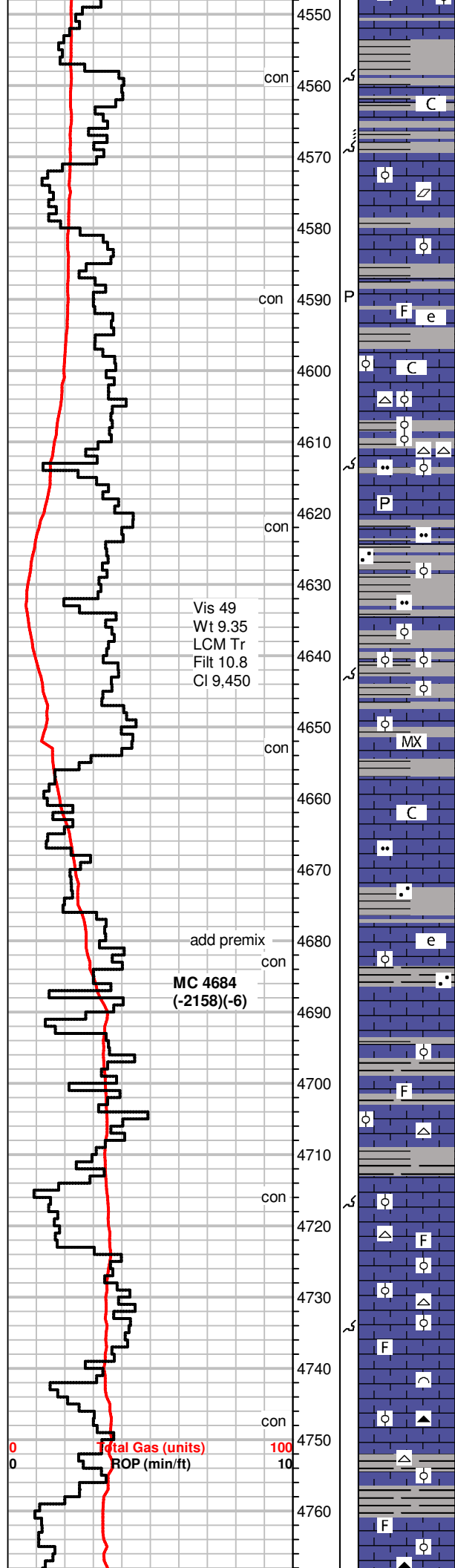
Scatt SH, grays

MS tan to brn, f-xln to earthy in part, dense, hard, scatt fossils, NS, rare Chert, wht,

SH, lt. gray, platy, MS-WS, crm to lt. brn, f to mic-xln, dense, fossilif., firm to hard, chalky pcs scatt, NS, dull fluor

MS, brn to tan, massive/ mic-xln, txt, hard, dense, some fossils, Chert, wht, scatt SH, grays

+4 UGK, shale gas



MS-WS, rare PS, crm to ran, some pcs dense, massive, fossilif, scatt f-gr oolitic PS, firm, brittle, tite calcite matrix, NS, moldic por., rare SH, green

MS, crm to gray, earthy to f-xln, chalky in part, mostly dense, scatt gritty pcs, fossils rare, Chert, wht, micro oolitic, rare SH, grays, moldic por.

MS, crm to gray, A.A., fossilif., calcite rhombs, NS

MS-WS, brn to tan, f-gr oolitic to f-xln dense, fossils to barren pcs, dull fluor, NS
rare SH, dk. gray blk, green

SH, gray, dk. gray, green, MS, crm to tan, massive to earthy, rare fossils, rare pp por., some pcs chalky, NS, dull fluor

MS-WS, crm to gray, brn, f-xln, dense to soft, silty/chalky pcs in part, hard to firm, dull fluor, NS

SH, grays, MS, crm to gray, A.A., gritty txt, scatt PS, crm, f to m-gr oolitic, Chert, wht(rare), moldic por.

MS, gray to crm, f-xln to earthy, dense, fossils, pyrite, silty pcs, NS, dull fluor

SH, gray, silty to sandy,
MS, crm to gray, f-xln to chalky, firm to dense, scatt fossils, silty pcs, NS

SH, green, gray, red
PS-WS, of wht to crm, massive to m-gr oolitic txt, dense, dull fluor, NS, moldic por.

SH, gray, red, WS-PS, brn, MS, crm to gray, f-xln, massive to m-gr oolitic, dense, dull fluor, NS

MS-WS, crm to gray, f-xln to gritty/chalky txt, dense to soft, SH, grays

SH, gray to dk. gray, green, sandy, some pcs blocky
MS, crm, chalky to f-xln, gritty in part, fossils scatt.

MS-WS, crm to off wht, f-xln, sub oolitic to chalky/earthy txt, soft, NS
SH, blk, dk. gray, green, silty to vf-sandy pcs

Dec in SH, gray, green, red
MS, gray to crm, f-xln to chalky, firm to brittle pcs, scatt fossils, rare Chert, wht

SH, green to gray, rare blk, MS, gray to crm, f-xln to partly chalky, some dense, scatt sub oolitic to fossilif pcs, pyrite, NS

SH, blk, dk. gray/green, MS, crm to brn, f-xln to massive fossils, dense to firm, Chert, wht, fossilif., moldic por.

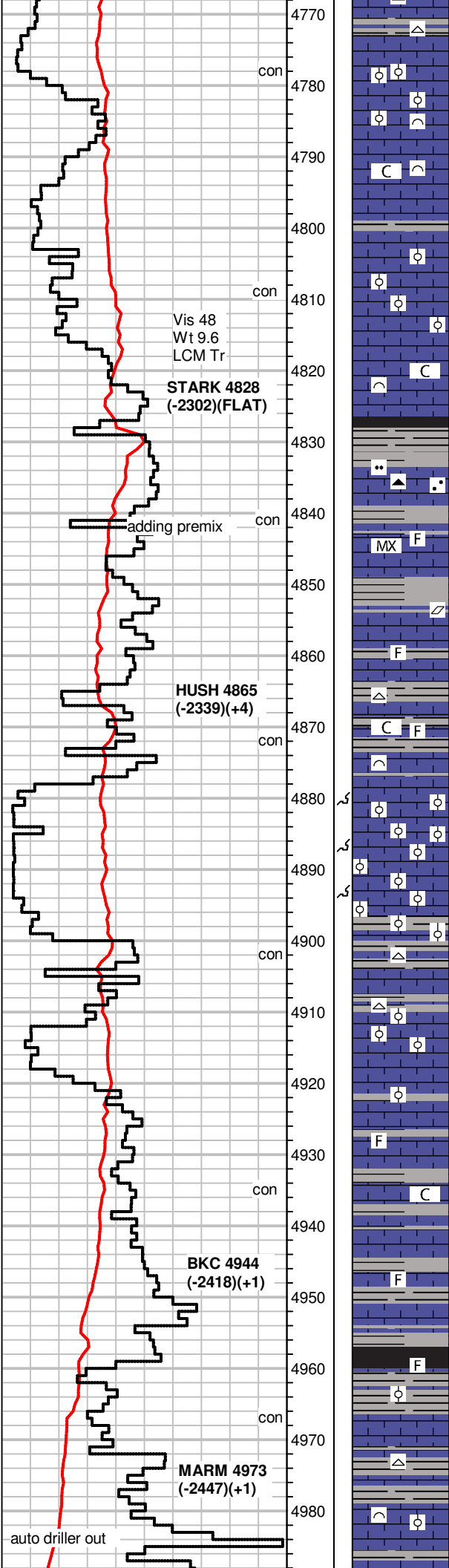
MS, crm to gray, earthy to massive txt, chalky in part, rare fossils, NS

MS-WS, crm to off wht, chalky to f-xln, sub oolitic pcs, soft to hard, dense, brittle, Chert, wht, tan, moldic por.
scatt SH, A.A.

MS, rare WS, crm to brn, mostly chalky to f-xln, dense, scatt fossils, dull fluor, NS

MS-WS, crm to off wht, f-xln, hard, scatt chalky pcs, rare fossils, Chert, brn, tan, fossils
SH, blk, gray, pyrite

SH, gray, blk, MS, crm to tan, f-xln to chalky/earthy pcs, some fossils, dense, gritty pcs, friable, NS



SH, gray, platy, MS, crm to tan, A.A., Chert, brn, tan, wht, fossilif.

MS-WS, crm, tan, rare gray, m-xln to earthy in part, dense, scatt oolitic/fossilif. pcs,

MS-WS, brn to crm, f-xln, dense to brittle, chalky matrix in part, dull fluor, NS

SH, gray, green, MS-WS, crm to off wht, chalky to f-xln, A.A., fossil frgmts scatt, Chert, gray

WS-MS, crm to off wht, m-gr oolitic in chalky matrix, firm to dense, dull fluor
SH, gray, green, brn, silty

MS-WS, off wht to crm, gray, vf-gr gritty to sub oolitic pcs, some vf-xln/massive txt, firm to dense, chalky in part, scatt fossils, firm to dense
SH, blk, gray, brn, green

SH, gray to blk
MS-WS, crm, tan, f-xln gritty txt, hard, dull fluor, NS, Chert, gray

Some SH, grays
MS, brn to crm, massive mic-xln, dense, scatt fossils, NS

WS-MS, crm to gray, m-gr oolitic/fossilif to massive/dense pcs, scatt chalky txt, calcite rare
scatt SH, gray, rare blk, brn

MS, off whit to gray, f-xln, dense, scatt fossils, NS

SH, dk. gray, greens, rare blk
MS, crm to tan, brn, f-xln, dense, inc. in fossilif. pcs, becoming chalky, Chert, tan

SH, gray, green, blk

PS, crm, m-xln, m to c-gr oolitic, hard, tite calcite matrix, MS, A.A., good moldic por., dull fluor, NS
SH, gray, dk. gray, green

WS-PS, crm, f-xln, m-gr oolitic, fossilif., dense to hard, dec in PS, NS, moldic por., carrying some SH, gray brn

MS-WS, crm to tan, f-xln, hard to soft, chalky in part, sob oolitic/scatt fossils, Chert, tan/wht, NS

WS-PS, crm to tan, off wht, f-xln dense, oolitic/fossils, friable in part, NS

SH, dk. gray, brn
MS-WS, crm to gray, mottles pcs, dense to friable, scatt fossils, chalky in part, NS

MS-WS, crm, f-xln to chalky, dense, A.A., NS

SH, blk, gray, green, brn

SH, grya, gren, reddish-brn, MS, f-xln to chalky, dense to soft, rare fossils, NS

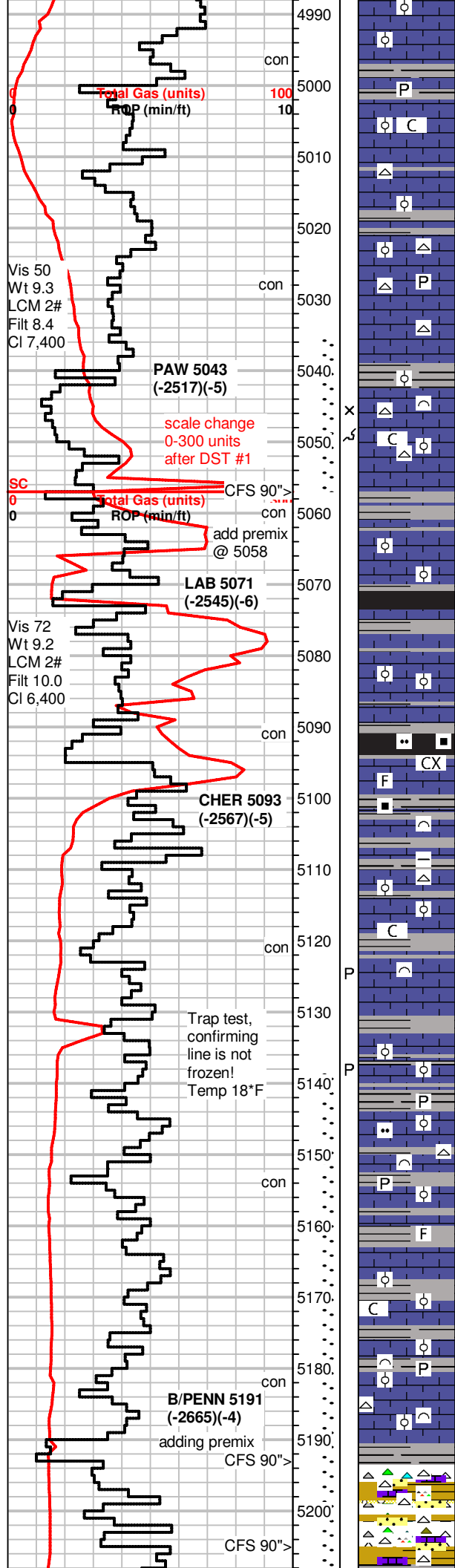
SH, dk. gray to green, sandy to chalky in part
MS-WS, crm to tan, f-xln, dense, scatt chalky pcs, scatt fossils, dull fluor, NS

SH, blk, gray, green
MS, gray to crm, brn, dense, mic-xln, hard, fossils, some mottled pcs, chert frgmts,

WS-PS, crm to tan, f-xln, fossilif/oolitic, m-gr scatt., NS carrying SH, gray, red, sandy, silty, blk, gray

+15 UGK, Shale gas

**DST #1 5035-5057
Pawnee 30-60-60-120
SB BOB 30 sec, built to 250 inches
32 inch BB
SB BOB 90 sec, built to 121 inches**



MS-WS, crm to brn, f-xln, dense to friable pcs, fossils scatt, shaly in part, SH, gray, dec. amt.(not as fresh)

SH, gray, pyrite
MS, gary to crm, chalky to f-xln, mottled, dense, fossils, mineral specs, hard, dull fluor, NS,

MS-WS, crm to tan, f-xln, dense to friable, some gray, oolitic pcs

SH, blk, gray, silty to sandy, MS, off wht to crm, vf-xln to massive txt, hard, becoming chalky, Chert, wht, fossils/oolitic

MS-WS, crm to tan, f-xln to massive, hard, scatt oolitics(f-gr) in tite mtrx, rare pyrite, chalky in part, SH, gray, green, silty

MS-WS, crm to off wht, tan, f-xln to chalky, some pcs massive, firm, m-gr ooids in some pcs, Chert wht/tan fossils, Fresh SH, blk, gray green

MS-WS, brn to crm, f-xln, dense, some fossils/oolitic pcs, NS

WS-MS, crm to off wht, tan, f-xln to mostly chalky, fossilif., sub oolitic, gritty txt in part, **Good odor, dull fluor, 1 pc resid. ring cut.**, moldic to int-xln por., Chert, wht, tan, fossils

MS-WS, crm to tan, f-xln, dense, fossils, no fluor, NS
SH, gray, blk

MS-WS, crm to gray, f-xln sub oolitic to m-gr oolitic, dense, hard, chalky mtrx in pt, NS
SH, gray, green, rare blk

SH, dk. gray, brn, green
MS, crm to tan, gritty to massive txt, scatt oolitic pcs, m-gr, dense, no fluor, NS

SH, dk. gray to blk, carb, gassy, green, silty in part
MS, crm to brn, gray, f-xln, dense, brittle, rare fossils in barren massive pcs, NS

SH, blk, gassy, gray, carb. MS, crm to brn, chalky to massive txt, brittle, dense, looking, scatt fossils, NS

MS, crm to gray, m-xln, silty/shaly in pt., dense, rare WS, sub oolitic, chalky pcs scatt, Chert, wht SH, gray, brn, rare blk, gassy

SH, grays, MS-WS, crm to gray, f-xln, dense, chalky pcs scatt, fossils, , **rare bright spotty fluor, even stn dry(1pc), inst cut., PP por.**

Scatt SH, grays, green/brn, waxy, blk, pyrite, gassy
MS, crm, tan, gray, brn, massive to f-xln, most pcs dense, oolitic to fossilif., tite calc. mtrx, dull fluor, NS

WS-MS, brn to crm, f to m-xln, some massive, dense, fossils, oolitic in pt, gritty pcs, **rare bright spotty fluor, even stn dry (2pcs), inst cut. PP por.**, some SH, green, grays

MS, gray to brn, f-xln to slii chalky, some pcs massive, fossils, mottled pcs, Chert frgmts, tan, SH, gray, brn, silty, pyrite

SH, grays, blk, brn, silty to sandy in pt., MS, brn to tan, f-xln to earthy, some pcs dense, fossils, dull fluor, NS

MS-WS, brn to crm, f-xln to chalky in pt. fossils/oolitic, dense, NS,
SH, gray, green, brn, silty/mottled pcs

MS-WS, gray, some brn to crm, waxy looking, gritty to chalky pcs, sub oolitic to fossilif., friable/brittle, dull fluor, NS
SH, gray, green, blk, gassy in pt. pyrite

MS-WS, crm to gray, brn, f-xln to chalky, fossils, dense, dull fluor, **scatt bright fluor, inst cut 1 pc, slow milky cut, few pcs, 1 pc spty stn dry**, no odor in bag, rare Chert, wht

SH, blk, gray, green, sea green, silty

SH, vari-colored, sandy, f-v gr., SS clusters, brn to gray, vf-gr, sorted to poorly sorted, rounded to sub-ang, firm to friable, NS
Chert, Vari-colored, mostly yellow to off wht, fossilif., rare bright spotty fluor, **dead wormy stn(1 pc), 2 pcs w/ bleeding oil/gas, spotty stn wet, lt. milky to inst cut.**

131 inches
 7 inch BB
 2520' GIP
 Rec: 723' TOTAL
 156' GMCO
 (20g,40o,40m)
 126' GOMCW
 (10g,5o,5m,80w)
 441' W
 IH 2520#
 IF 68-178#
 ISIP 1220#
 FF 193-389#
 FSIP 1241#
 FH 2420#
 Temp 119°F
 API Rw .3 @ 30°F
 CI 58,000
 Pipe Strap .81 Short

+21 UGK, w/ 11 UGK recycle

Trip Gas

 +120 UGK, Shale Gas

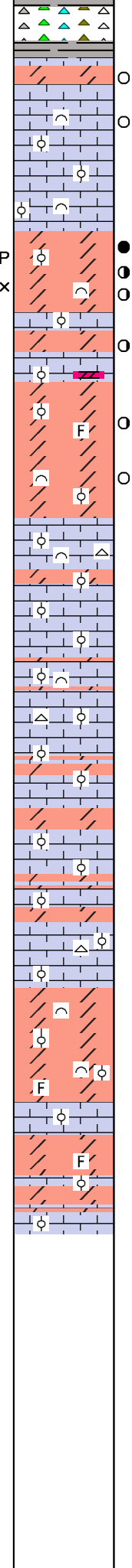
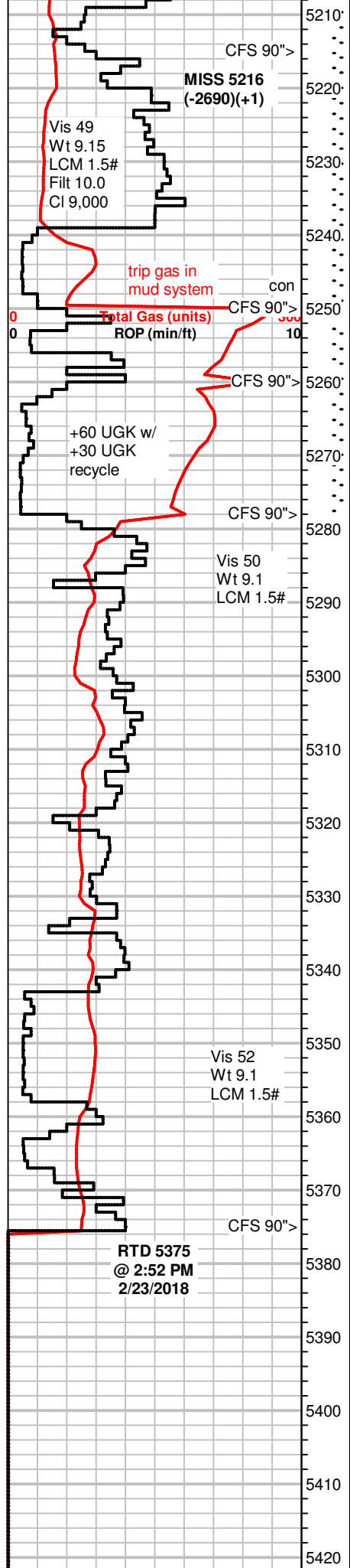
+90 UGK, Shale Gas

Gas was a 10 second
 Butane Trap Test to
 determine if line was
 frozen. background gas
 reading 45 units

DST #2 5138-5215
 Morrow/Penn Lm.
 30-60-60-90
 WB, 1 inch, died to 1/2
 inch
 NBB
 FB, BOB/20 min, built to
 21 inch
 NBB
 Rec: 40 SGCM (5g,95m)
 IH 2568#
 IF 22-27#
 ISIP 181#
 FF 23-30#
 FSIP 567#
 FH 2484#
 Temp 113°F

+4 UGK, w/ 3-4 unit recycle

Pulled tite on DST #2 trip,
 ran a 20 stand short trip
 to clean hole, circ 90",
 came out for DST #2 w/
 no problems



WS-PS, crm to off wht, tan, f-xln, oolitic to sub oolitic, firm, dull fluor, NS
 Dolo, gray, to lt. gray, vf-gr gritty txt, sugary, hard, tite, dull fluor, **slow milky cut**, no odor
 WS-PS, off wht to crm, f-xln, rare chalky pcs, most dense, oolitic/fossils, dull fluor, NS
 Dolo, brn to tan, f to m-xln, gritty txt in part, sucrosic txt, scatt f-xln fossilif. pcs, firm to friable, **bright fluor, fair to good odor, live oil droplets in tray, pcs bleeding gas & oil, good PP to in-xln por., even to spotty stn**
 Dolo, crm to brn, f-xln to co-gr sugary txt, scatt pcs w/ fossils/f-gr oolites, **scatt bright fluor, faint odor, scatt partial to spotty stn, cut from select stn'd pcs, limey in pt,**
 WS-PS, crm to off wht, chalky in part, oolitic, fossils, Chert, wht
 Dolo, brn to lt. gray, vf-xln gritty/sugary txt to m-gr oolitic/oomoldic and fossilif. txt, tite sugary mtrx, **faint odor, spotty bright to dull min. fluor, rare pcs w/ spotty stn wet/dry, good int-xln por., slow milky cut**, most pcs dense, NS
 Dolo, lt. gray to brn, vf-xln to f-xln, sugary txt, hard, dull fluor, NS
 WS-PS, crm to off wht, tan, massive to m-gr oolitic, partly chalky, some pcs dense to firm, dull fluor, NS, rare Chert, wht
 WS-PS, off wht, m to co-gr oolitic to fossilif., some pcs w/ chalky mtrx, dense to brittle, dull fluor, NS, some pcs dolomitic, brn, sugary dense txt, dull fluor
 Scatt Dolo, brn f-xln, dense/tite gritty, NS
 WS-PS, crm to off wht, oolitic, NS, rare Chert, wht
 PS-WS, off wht to crm, massive to m-gr oolitic/fossils, dull fluor, NS, dense to firm pcs
 rare Dolo, brn, f-xln, sugary txt, dense, dull fluor, NS
 PS, off wht, f-xln, m-gr oolitic/fossils frgmts, chalky mtrx in pcs, dense to friable, rare Dolo, brn, vf-xln, scatt fossil frgmts, tite, NS
 WS-PS, crm to tan, off wht, f-xln to chalky, m-gr oolitic to rare massive pcs, Chert, wht, blueish wht, fossils, NS
 Dolo, brn to tan, f-xln, dense/tite, gritty txt, scatt pcs w/ fossil frgmts, no fluor, NS
 Dolo, brn to crm, gray to dk gray spots(mineral inclusions?), f to m-xln gritty to sugary txt, some pcs friable, f to co-gr fossil frgmts, no fluor, NS
 WS-PS, crm to tan, m-xln, oolitic to chalky pcs, NS

+4 UGK
+58 UGK, with a +40 UGK recycle
Possible gas kick muted by trip gas
DST #3 5188-5250
Mississippian
30-60-60-120
SB BOB/10 sec
blt to 110 inches
5 inch BB
SB BOB/30 sec
blt to 305 inches
NBB, GTS during final bleed off
4871' GIP
Rec; 325' Fluid Total
10' SOCM (2g,98m)
189' GOCM (10g,20o,70m)
126' GMCO (32g,36o,32m)
IH 2582#
IF 97-134#
ISIP 1140#
FF 145-179#
FSIP 1472#
FH 2434#
Temp 115°F
DST #4 5252-5278
Mississippian
30-60-60-120
SB BOB 2 min, blt to 46 inch
NBB
FB, BOB 9 min, blt to 42 inch
NBB
Rec: 384' Fluid Total
6' OCM
(30o,70m)
63' WCM
(60m,40w)
315' Water
Temp 119°F
API Rw .25 @ 36°F
CI 60,000ppm

	5430		
	5440		