

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) (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	IMEL 1-5A
Doc ID	1420588

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	IMEL 1-5A
Doc ID	1420588

Tops

Name	Top	Datum
Heebner Shale	4374	(-1850)
Brown Limestone	4524	(-2000)
Lansing	4535	(-2011)
Stark Shale	4875	(-2351)
Pawnee	5071	(-2547)
Cherokee Shale	5121	(-2597)
Base Penn Limestone	5218	(-2694)
Mississippian	5241	(-2717)
RTD	5400	(-2876)

QUALITY WELL SERVICE, INC.

6839

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	5-18-10	Sec.	5	Twp.	29S	Range	22W	County	Ford	State	Ks	On Location	1.45	Finish	5'3"
Lease	EMEL		Well No.	1-5A		Location		Kingsdown 1 3/4 N E into							
Contractor	DUKE OIL & GAS							Owner							
Type Job	SURFACES							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.	690'		Csg.		Charge To VINCENT OIL CORP							
Csg.	7 7/8 23"		Depth	60 1/2'		Tbg. Size		Street							
Tbg. Size			Depth			Tool		City State							
Tool			Depth			Cement Left in Csg.		The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.			Shoe Joint	42.23		Meas Line		Cement Amount Ordered 125 SC MIDC 3 1/2 CC 1/4 CF							
Meas Line			Displace			EQUIPMENT									
										150 Common 2 1/2 TEL 3 1/2 CC					
Pumptrk	8	No.	Tono				Common 150								
Bulktrk	9	No.	mike				Poz. Mix MIX 125								
Bulktrk	10	No.	Dillon				Gel. 11								
Pickup		No.					Calcium 10								
JOB SERVICES & REMARKS										Hulls					
Rat Hole										Salt					
Mouse Hole										Flowseal 60.25					
Centralizers										Kol-Seal					
Baskets										Mud CLR 48					
D/V or Port Collar										CFL-117 or CD110 CAF 38					
Run 160 ft's 7 7/8 23" SET 699'										Sand					
Csg on Bottom										Handling 296					
Hook up to csg & Break Circ w/ Rig										Mileage 50					
START Pumping H2O										FLOAT EQUIPMENT 870					
START MIX 125 SC MIDC LEAD										Guide Shoe 1 EA BUFFLE PLATE					
START MIX 150 SC GRINDS TAIL										Centralizer 1 EA WOODEN PLUG					
SHUT DOWN Release 870 WOODEN PLUG										Baskets					
START Disp										AFU Inserts					
Plug down 5' 15 500"										Float Shoe					
Circ Circ thru JOBS										Latch Down					
Circ 15 1350 to P.F										LMV 60					
										SERVICE SUPERVISOR					
										Pumptrk Charge SURFACES					
Thank you										Mileage 120					
Please call me at										Tax					
7091 Dillon Milk										Discount					
Signature [Signature]										Total Charge					

QUALITY WELL SERVICE, INC.

6846

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	Sec.	Twp.	Range	County	State	On Location	Finish				
5-27-13	5	29S	22W	Ford	Ks	9:45	1:00				
Lease	Imel		Well No.	1-5A				Location	Kingsdown 13/4 N E into		
Contractor	Duke Oil & Gas			Owner				To Quality Well Service, Inc.			
Type Job	4 1/2 L.S			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.	5400		Charge To		VINCEXT OIL CORP.			
Csg.	4 1/2 11.6		Depth	5399		Street					
Tbg. Size			Depth			City		State			
Tool			Depth			City		State			
Cement Left in Csg.	17.45		Shoe Joint	17.45		The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line			Displace	33.41		Cement Amount Ordered		225 sc PRO C			
EQUIPMENT				21.6EL 10K Solt 5 1/2 KOSEAL							
Pumptrk	9	No.	TOM		Common		225				
Bulktrk	9	No.	MINE		Poz. Mix						
Bulktrk		No.			Gel.		4				
Pickup		No.			Calcium						
JOB SERVICES & REMARKS				Hulls							
Rat Hole	30sc				Salt		25				
Mouse Hole	20sc				Flowseal						
Centralizers	1-3-5-7-9-11				Kol-Seal		23 11.65				
Baskets					Mud CLR 48		500g/L				
D/V or Port Collar					CFL-117 or CD110		CAE 38 KCL				
Rat 120 #12 11.6 4 1/2 Csg					Sand						
Get 8 5399'					Handling						
Pump 5 Bbls H2O 12 Bbls MF 5 Bbls H2O					Mileage		430				
Plug R-M HOLES 50SI					4 1/2		FLOAT EQUIPMENT				
Pump 175 sc DOWN Csg					Guide Shoe		1 EA				
SHUT DOWN RELEASE 4 1/2 TR Plug					Centralizer		6 EA				
SITRT DISO					Baskets						
WET CUT 71 ad 600					AFU Inserts		1 EA				
Slow Rate 90 ad 700					Float Shoe						
Land Plug 23/16 ad 1200					Latch Down		1 EA TOP R-hitec Plug				
RELEASE WELD 1/2 Bbl cut					SERVICE SUPERVISOR						
Also C-2 thru 103					L.M.						
					Pumptrk Charge		LS				
					Mileage		100				
Thank you	TOM		BRADY						Tax		
Please Call 620-727-3410			MKS						Discount		
X Signature									Total Charge		



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vincent Oil Corporation
 200 W Douglas Ave #725
 Wichita, Kansas
 67202+3013
 ATTN: Tom Dudgeon

5/29S/22W/Ford

Imel 1-5A

Job Ticket: 63492

DST#: 1

Test Start: 2018.05.25 @ 04:36:00

GENERAL INFORMATION:

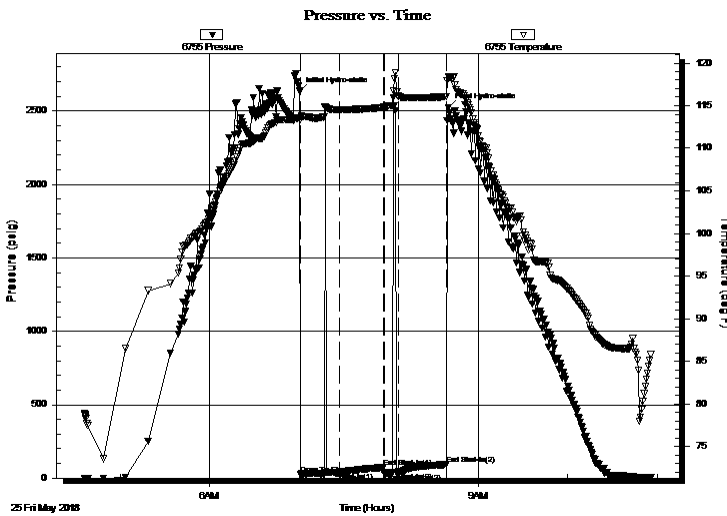
Formation: **Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:00:47
 Time Test Ended: 10:56:02
 Interval: **5194.00 ft (KB) To 5242.00 ft (KB) (TVD)**
 Total Depth: 5242.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72 Pratt/126
 Reference Elevations: 2524.00 ft (KB)
 2511.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6755

Inside

Press@RunDepth: 41.86 psig @ 5195.00 ft (KB) Capacity: psig
 Start Date: 2018.05.25 End Date: 2018.05.25 Last Calib.: 2018.05.25
 Start Time: 04:36:01 End Time: 10:56:02 Time On Btm: 2018.05.25 @ 07:00:17
 Time Off Btm: 2018.05.25 @ 08:39:47

TEST COMMENT: I.F. 25 Minutes/ Blow built to 1/4 inch died in 7 minutes/Flush tool/ Surface blow for 3 minutes
 I.S.I. 30 Minutes/ No blow back
 F.F. 10 Minutes/ Dead no blow / Flush tool couple bubbles then dead
 F.S.I. 30 Minutes/ No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2636.02	113.61	Initial Hydro-static
1	26.97	113.39	Open To Flow (1)
27	36.43	114.52	Shut-In(1)
56	71.10	114.80	End Shut-In(1)
57	32.38	114.82	Open To Flow (2)
67	41.86	116.09	Shut-In(2)
98	92.83	116.09	End Shut-In(2)
100	2524.27	118.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.15

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vincent Oil Corporation
 200 W Douglas Ave #725
 Wichita, Kansas
 67202+3013
 ATTN: Tom Dudgeon

5/29S/22W/Ford

Imel 1-5A

Job Ticket: 63492

DST#: 1

Test Start: 2018.05.25 @ 04:36:00

GENERAL INFORMATION:

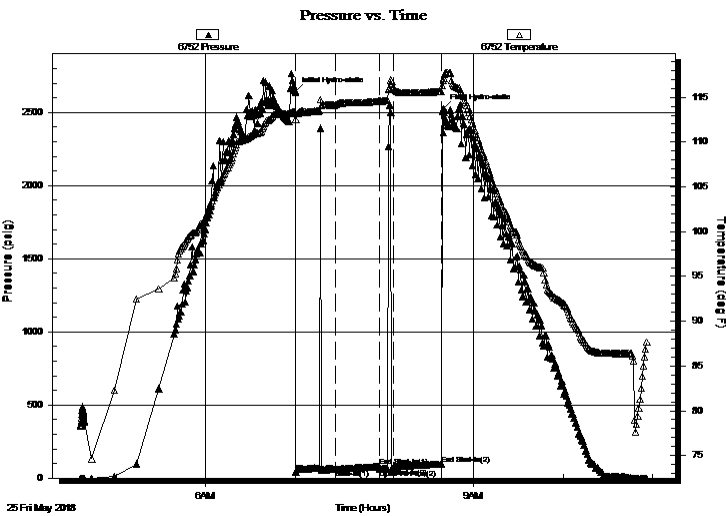
Formation: **Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:00:47
 Time Test Ended: 10:56:02
 Interval: **5194.00 ft (KB) To 5242.00 ft (KB) (TVD)**
 Total Depth: 5242.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72 Pratt/126
 Reference Elevations: 2524.00 ft (KB)
 2511.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6752

Outside

Press@RunDepth: 97.48 psig @ 5196.00 ft (KB) Capacity: psig
 Start Date: 2018.05.25 End Date: 2018.05.25 Last Calib.: 2018.05.25
 Start Time: 04:36:01 End Time: 10:56:02 Time On Btm: 2018.05.25 @ 07:00:02
 Time Off Btm: 2018.05.25 @ 08:39:47

TEST COMMENT: I.F. 25 Minutes/ Blow built to 1/4 inch died in 7 minutes/ Flush tool/ Surface blow for 3 minutes
 I.S.I. 30 Minutes/ No blow back
 F.F. 10 Minutes/ Dead no blow / Flush tool couple bubbles then dead
 F.S.I. 30 Minutes/ No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2638.91	113.38	Initial Hydro-static
1	42.69	112.49	Open To Flow (1)
27	61.70	114.14	Shut-In(1)
57	78.15	114.56	End Shut-In(1)
57	62.80	114.57	Open To Flow (2)
66	69.76	116.03	Shut-In(2)
98	97.48	115.66	End Shut-In(2)
100	2523.42	117.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

5/29S/22W/Ford

200 W Douglas Ave #725
Wichita, Kansas
67202+3013

Imel 1-5A

Job Ticket: 63492

DST#: 1

ATTN: Tom Dudgeon

Test Start: 2018.05.25 @ 04:36:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100%	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

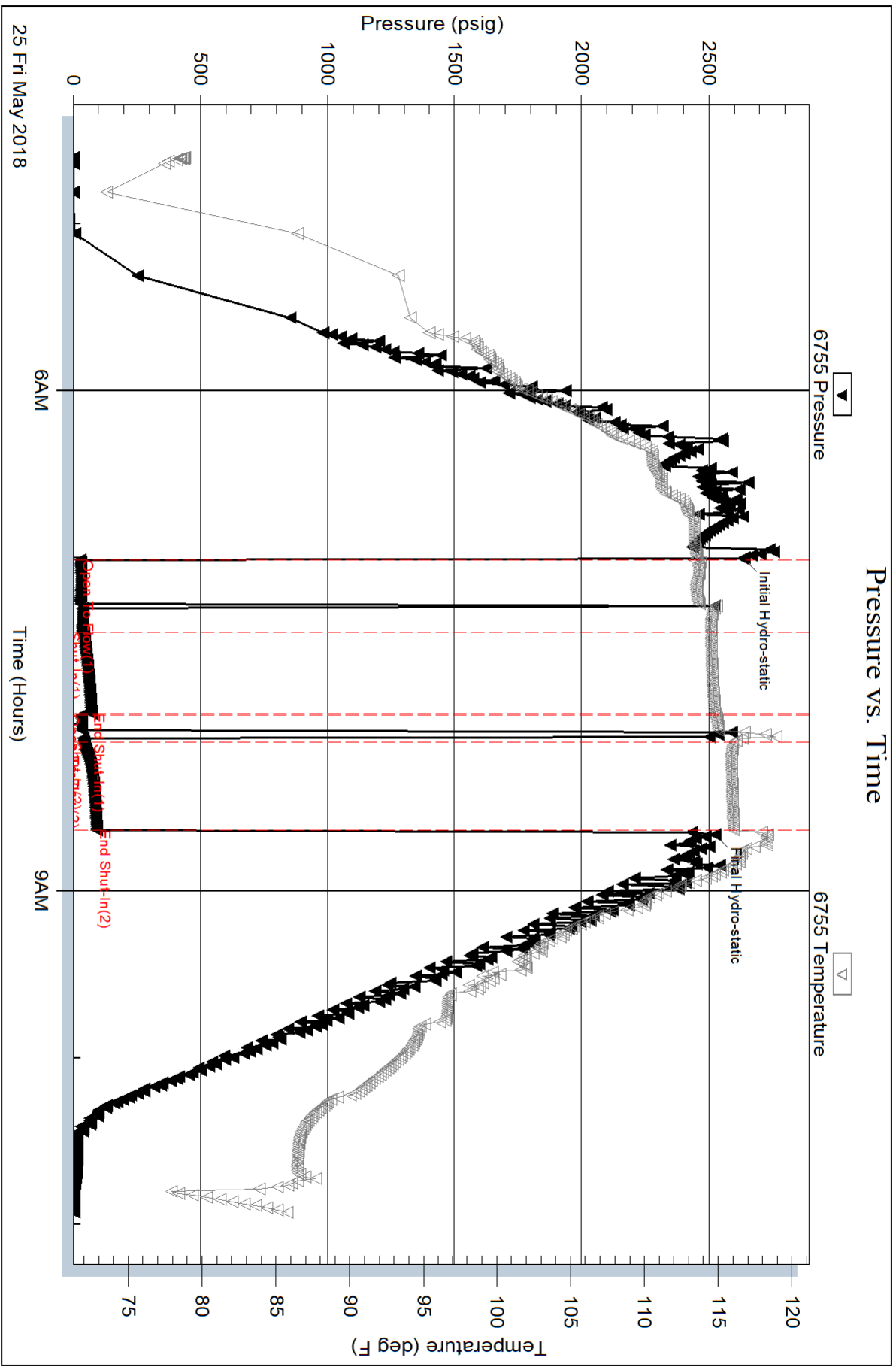
Num Gas Bombs: 0

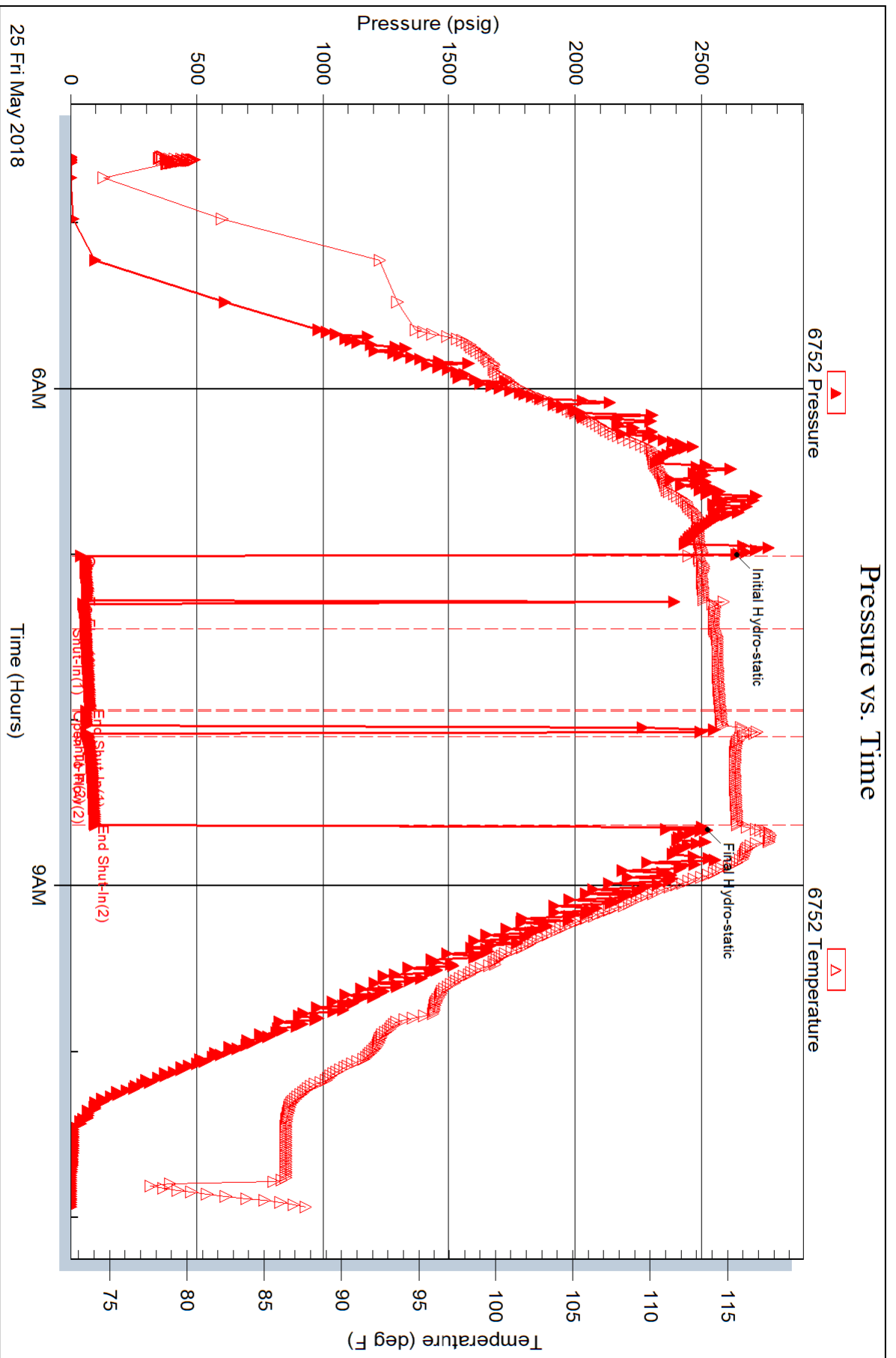
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vincent Oil Corporation
200 W Douglas Ave #725
Wichita, Kansas
67202+3013
ATTN: Tom Dudgeon

5/29S/22W/Ford

Imel 1-5A

Job Ticket: 63493

DST#: 2

Test Start: 2018.05.25 @ 19:08:00

GENERAL INFORMATION:

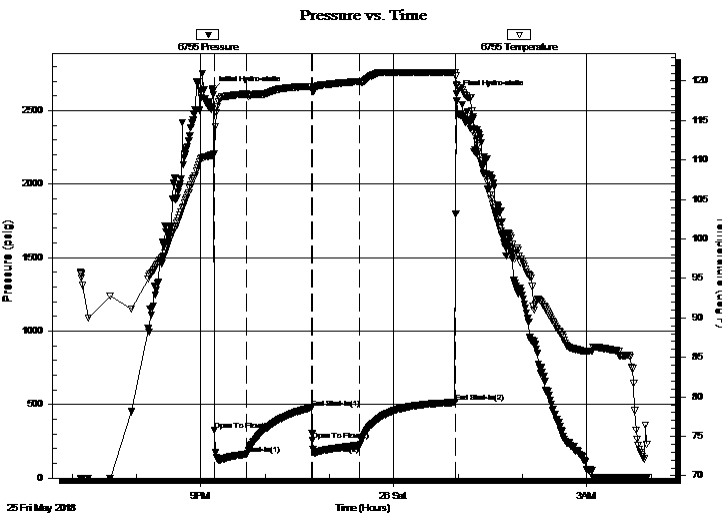
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:12:47
 Time Test Ended: 03:56:02
 Interval: **5240.00 ft (KB) To 5268.00 ft (KB) (TVD)**
 Total Depth: 5268.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72 Pratt/ 126
 Reference Elevations: 2524.00 ft (KB)
 2511.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6755

Inside

Press@RunDepth: 223.20 psig @ 5241.00 ft (KB) Capacity: psig
 Start Date: 2018.05.25 End Date: 2018.05.26 Last Calib.: 2018.05.26
 Start Time: 19:08:01 End Time: 03:56:02 Time On Btm: 2018.05.25 @ 21:11:17
 Time Off Btm: 2018.05.26 @ 00:58:32

TEST COMMENT: I.F. 30 Minutes/ Blow built to BOB in 30 seconds/ Gas to surface in 27 minutes
 I.S.I. 60 Minutes/ Blow back built to 6 inches
 F.F. 45 Minutes/ Blow built to BOB in 20 seconds
 F.S.I. 90 Minutes/ Blow back built to 30 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2637.26	110.67	Initial Hydro-static
2	326.81	110.78	Open To Flow (1)
32	163.06	118.34	Shut-In(1)
92	477.45	119.31	End Shut-In(1)
93	259.86	118.72	Open To Flow (2)
137	223.20	119.95	Shut-In(2)
226	515.59	121.04	End Shut-In(2)
228	2611.92	119.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	Oil cut Muddy Water	1.84
0.00	Oil 5% Mud 30% Water 65%	0.00
186.00	Water cut Oily Muddy Gas	2.61
0.00	Water 10% Emuls Oil 15% Mud 20% Gas	0.00
77.00	Oily Gassy Mud	1.08
0.00	Oil 10% Gas 15% Emuls Oil 30% Mud 45%	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	12.00	41.88
Last Gas Rate	0.25	4.60	30.14
Max. Gas Rate	0.25	12.00	41.88



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vincent Oil Corporation
200 W Douglas Ave #725
Wichita, Kansas
67202+3013
ATTN: Tom Dudgeon

5/29S/22W/Ford

Imel 1-5A

Job Ticket: 63493

DST#: 2

Test Start: 2018.05.25 @ 19:08:00

GENERAL INFORMATION:

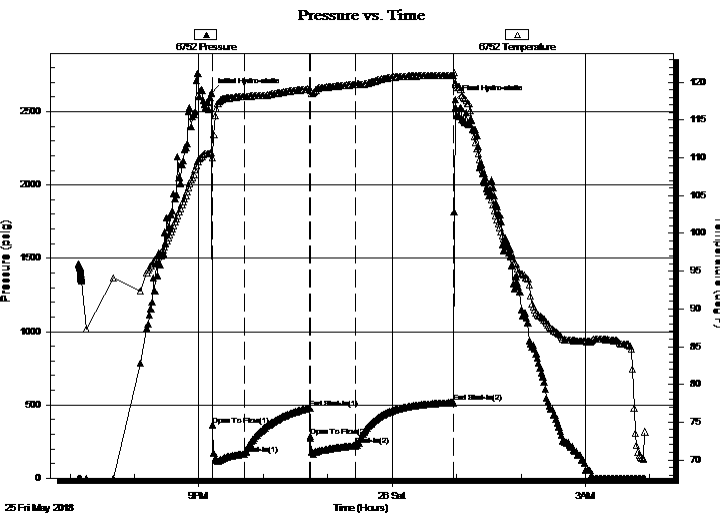
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:12:47
 Time Test Ended: 03:56:02
 Interval: **5240.00 ft (KB) To 5268.00 ft (KB) (TVD)**
 Total Depth: 5268.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72 Pratt/ 126
 Reference Elevations: 2524.00 ft (KB)
 2511.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6752

Outside

Press@RunDepth: 515.98 psig @ 5242.00 ft (KB) Capacity: psig
 Start Date: 2018.05.25 End Date: 2018.05.26 Last Calib.: 2018.05.26
 Start Time: 19:08:01 End Time: 03:56:02 Time On Btm: 2018.05.25 @ 21:11:32
 Time Off Btm: 2018.05.26 @ 00:58:47

TEST COMMENT: I.F. 30 Minutes/ Blow built to BOB in 30 seconds/ Gas to surface in 27 minutes
 I.S.I. 60 Minutes/ Blow back built to 6 inches
 F.F. 45 Minutes/ Blow built to BOB in 20 seconds
 F.S.I. 90 Minutes/ Blow back built to 30 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2627.35	110.69	Initial Hydro-static
2	363.35	110.02	Open To Flow (1)
31	164.05	118.14	Shut-In(1)
92	478.99	119.09	End Shut-In(1)
93	284.00	118.97	Open To Flow (2)
135	223.10	119.73	Shut-In(2)
226	515.98	120.92	End Shut-In(2)
228	2584.17	119.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	Oil cut Muddy Water	1.84
0.00	Oil 5% Mud 30% Water 65%	0.00
186.00	Water cut Oily Muddy Gas	2.61
0.00	Water 10% Emuls Oil 15% Mud 20% Gas	0.00
77.00	Oily Gassy Mud	1.08
0.00	Oil 10% Gas 15% Emuls Oil 30% Mud 45%	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	12.00	41.88
Last Gas Rate	0.25	4.60	30.14
Max. Gas Rate	0.25	12.00	41.88



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

5/29S/22W/Ford

200 W Douglas Ave #725
Wichita, Kansas
67202+3013

Imel 1-5A

Job Ticket: 63493

DST#: 2

ATTN: Tom Dudgeon

Test Start: 2018.05.25 @ 19:08:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	Oil cut Muddy Water	1.839
0.00	Oil 5% Mud 30% Water 65%	0.000
186.00	Water cut Oily Muddy Gas	2.609
0.00	Water 10% Emuls Oil 15% Mud 20% Gas 55%	0.000
77.00	Oily Gassy Mud	1.080
0.00	Oil 10% Gas 15% Emuls Oil 30% Mud 45%	0.000
62.00	Gassy Oil	0.870
0.00	Gas 10% Oil 90%	0.000

Total Length: 573.00 ft Total Volume: 6.398 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .292 ohms @ 69 deg.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corporation
200 W Douglas Ave #725
Wichita, Kansas
67202+3013
ATTN: Tom Dudgeon

5/29S/22W/Ford

Imel 1-5A

Job Ticket: 63493

DST#: 2

Test Start: 2018.05.25 @ 19:08:00

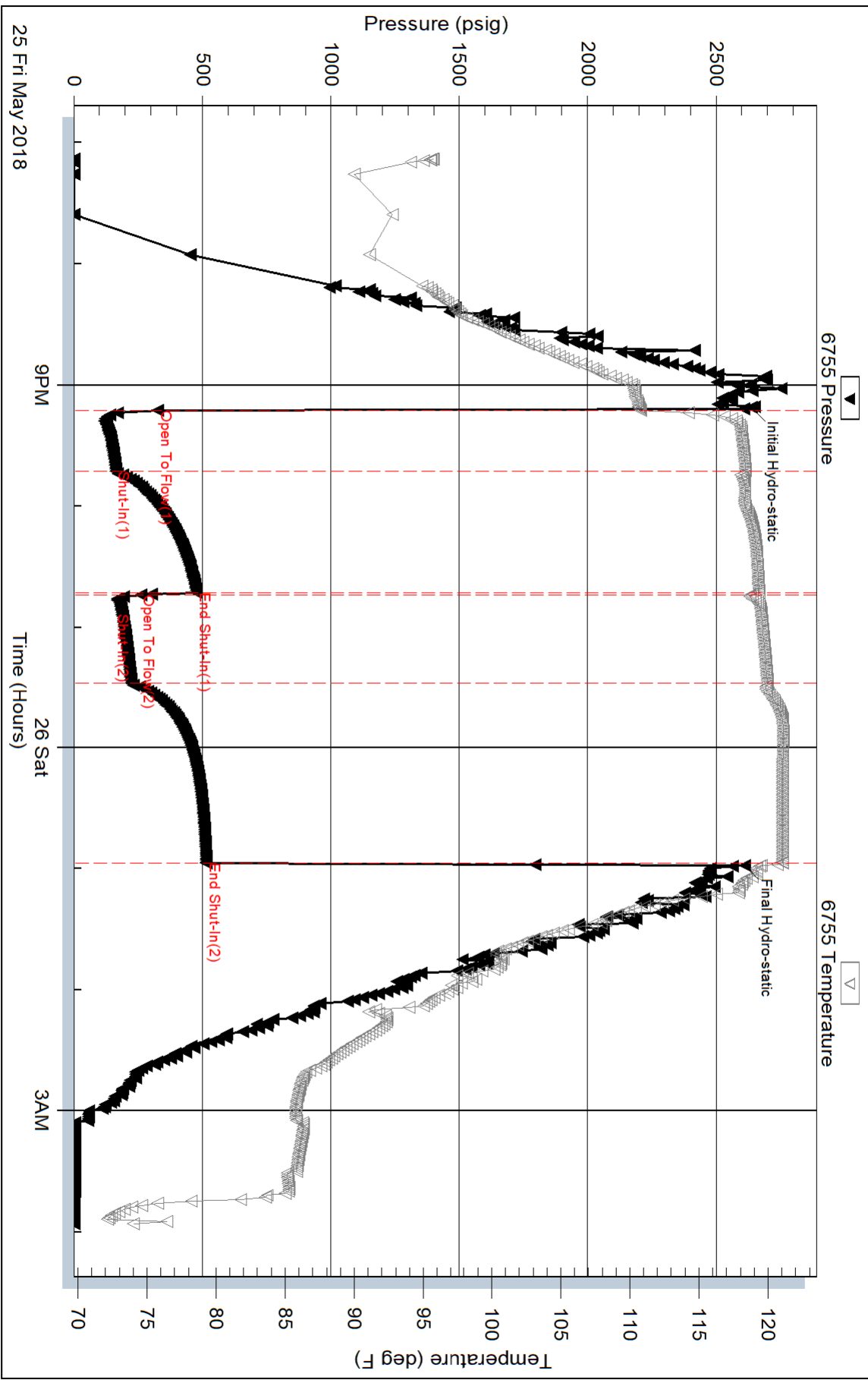
Gas Rates Information

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

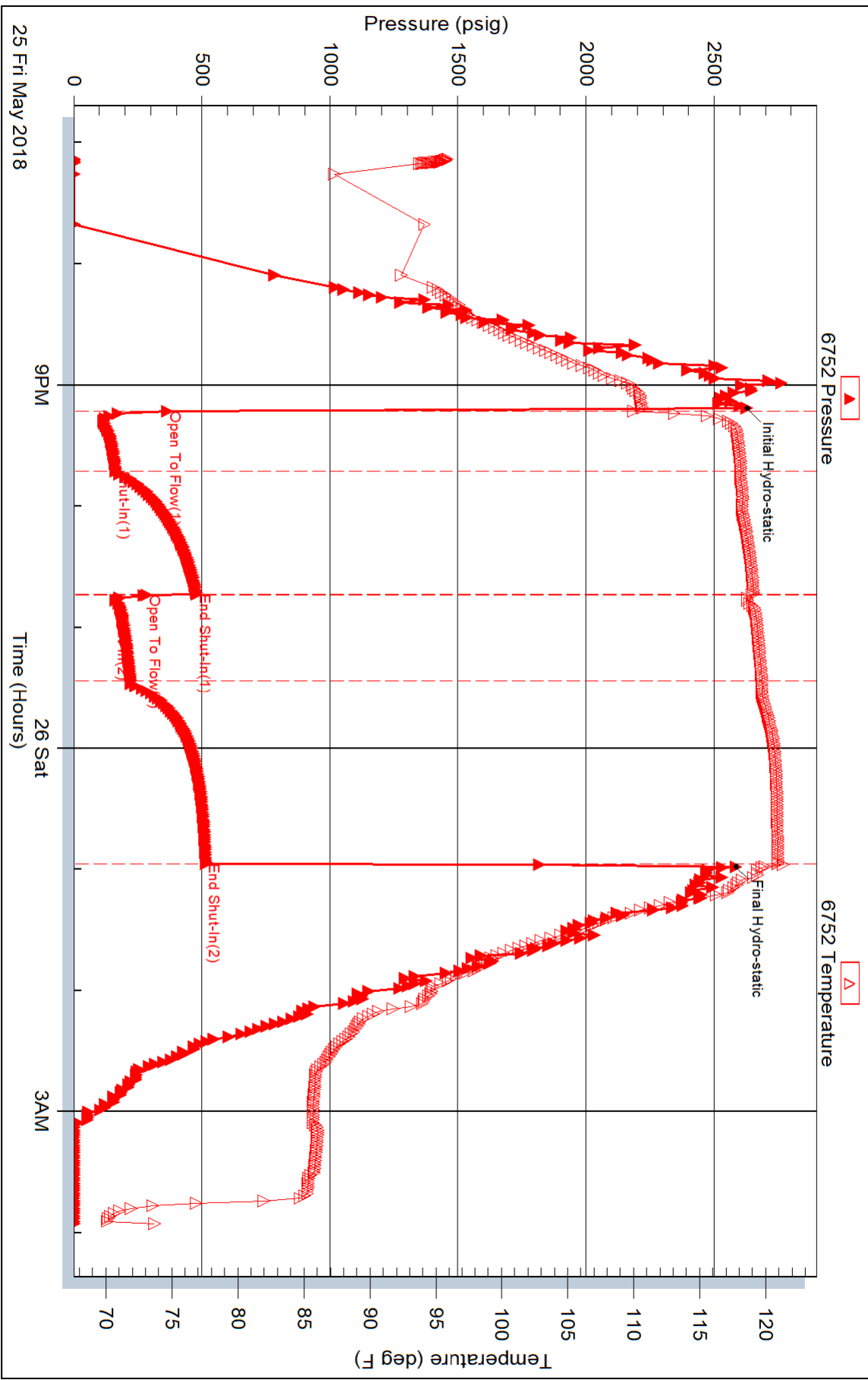
Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	27	0.25	12.00	41.88
2	10	0.25	7.00	33.95
2	20	0.25	5.90	32.20
2	30	0.25	5.00	30.78
2	40	0.25	4.40	29.82
2	45	0.25	4.60	30.14

Pressure vs. Time



Pressure vs. Time





Scale 1:240 Imperial

Well Name: Imel 1-5A
Surface Location: NW-SW-SW-NW 5-29S-22W
Bottom Location:
API: 15-057-20999-00-00
License Number: 5004
Spud Date: 5/17/2018 Time: 6:30 PM
Region: S. Central
Drilling Completed: 5/26/2018 Time: 2:23 PM
Surface Coordinates: 2246' FNL & 144' FWL
Bottom Hole Coordinates:
Ground Elevation: 2511.00ft
K.B. Elevation: 2524.00ft
Logged Interval: 4250.00ft To: 0.00ft
Total Depth: 5400.00ft
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: Imel 1-5A
Location: NW-SW-SW-NW 5-29S-22W API: 15-057-20999-00-00
Pool: Development Field: Kingsdown NW
State: KS Country: USA

CONTRACTOR

Contractor: Duke Drilling Co., Inc.
Rig #: 9
Rig Type: Mud Rotary
Spud Date: 5/17/2018 Time: 6:30 PM
TD Date: 5/26/2018 Time: 2:23 PM
Rig Release: 5/27/2018 Time: 12:30 PM

LOGGED BY

Company: Vincent Oil Corporation
Address:
Phone Nbr: 316-262-3573
Logged By: Geologist Name: Tom Dudgeon

ELEVATIONS

K.B. Elevation: 2524.00ft Ground Elevation: 2511.00ft
K.B. to Ground: 13.00ft

TOTAL DEPTH

Measurement Type:	Measurement Depth:	TVD:
RTD	5400.00	5402.00
LTD	5402.00	5402.00

SURFACE CO-ORDINATES

Well Type:	Vertical	Latitude:	37.550222
Longitude:	-99.756707		
N/S Co-ord:	2246' FNL		
E/W Co-ord:	144' FWL		

DRILLING FLUID SUMMARY

Type	Date	From Depth	To Depth
Chemical Mud	5/21/2018	3800.00ft	5400.00ft

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	686 ft	23#	15	5/18/2018 12:00 PM
Int Casing					
Prod Casing	4.5 in	5399 ft	11.6#	120	5/27/2018 12:30 PM

CASING SEQUENCE

Type	Hole Size	Casing Size	At
Surface	12.25 in	8.63	686.00 ft
Production	7.88 in	4.50	5399.00 ft

OPEN HOLE LOGS

Logging Company:	ELI	Time Spent:	
Logging Engineer:	Jeff Luebbers	# Logs Run Successful:	0
Truck #:	922339		
Logging Date:	5/26/2018		
# Logs Run:	0		

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
Dual Induction	0.00ft	5402.00ft	2.00		1
Neutron Por/Der	4200.00ft	5402.00ft	2.00		1
Micro	4200.00ft	5402.00ft	3.00		2
Sonic	0.00ft	5402.00ft	3.00		2

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
5/21/2018	0.00ft	5402.00ft	Open Hole Logs Run Successfully

NOTES

Rock descriptions based on Dunhams classification

- MS- Mudstone-less than 10% Grains
- WS- Wackestone-more than 10% Grains
- PS- Packstone-Grain Supported
- GS-Grainstone-Lacks Mud
- BS-Boundstone

Reference Wells

- (A)---Imel 2-5 2310' FSL & 500' FWL 5-29S-22W
- (B)---Imel 2-6 2170' FNL & 860' FEL 6-29S-22W

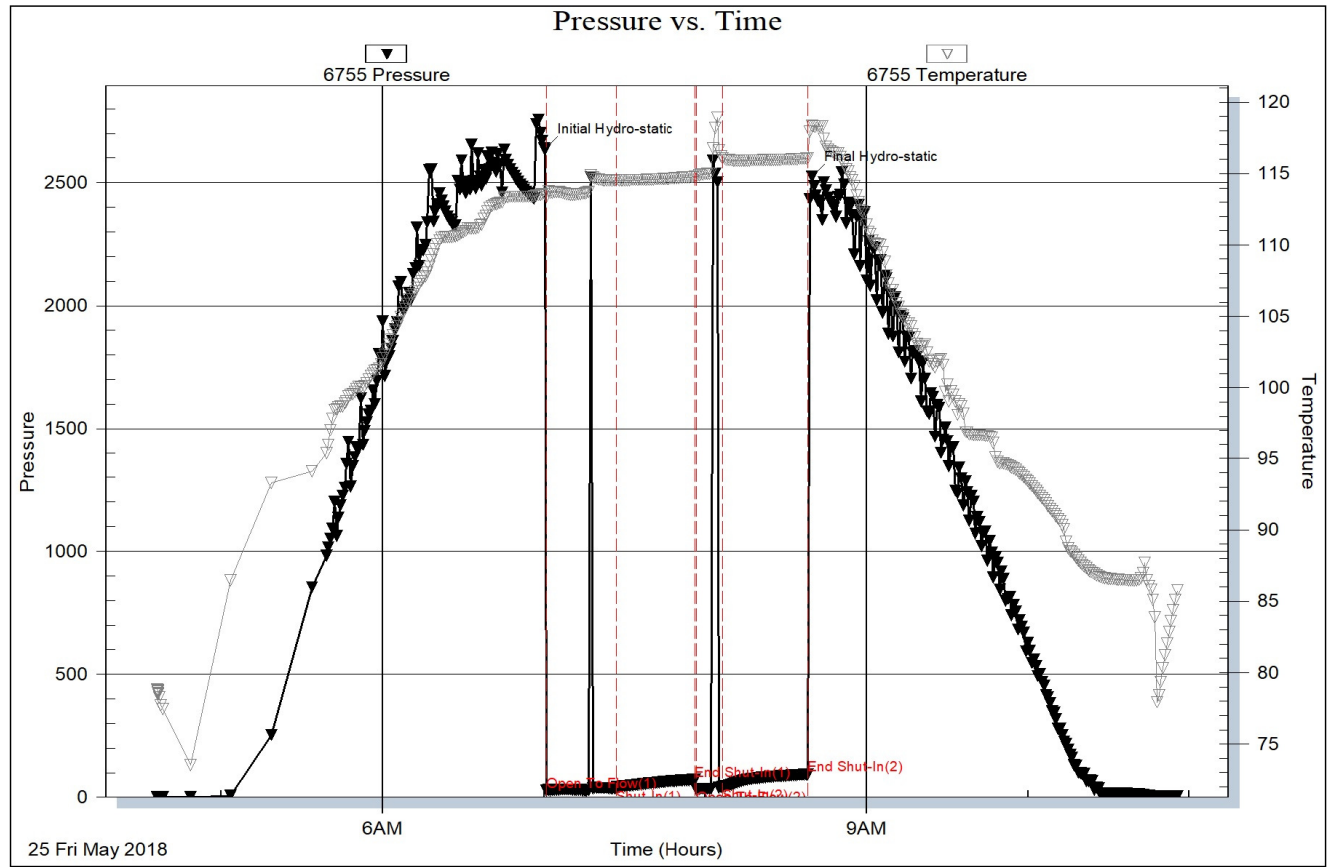
Imel 1-5A		KB	2524	
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			Struct. Position	
Top	Depth	Datum	Imel 2-6	Imel 2-5
HBR	4373	-1849	-2	3
BRN LM	4523	-1999	-4	6
LANS	4534	-2010	-4	5
STARK	4876	-2352	-3	4
HUSH	4913	-2389	-6	6
BKC	4982	-2458	-4	5
MARM	5001	-2477	-3	6
PAW	5070	-2546	Flt	9
LAB	5097	-2573	-2	6
CHER	5122	-2598	-4	7
B/PENN	5218	-2694	-5	3
MISS	5241	-2717	-2	2

Gas Detector provided by Bluestem Labs
Bloodhound unit #5258

DST #1

Serial #: 6755 Inside Vincent Oil Corporation Imel #1-5A DST Test Number: 1



Trilobite Testing, Inc

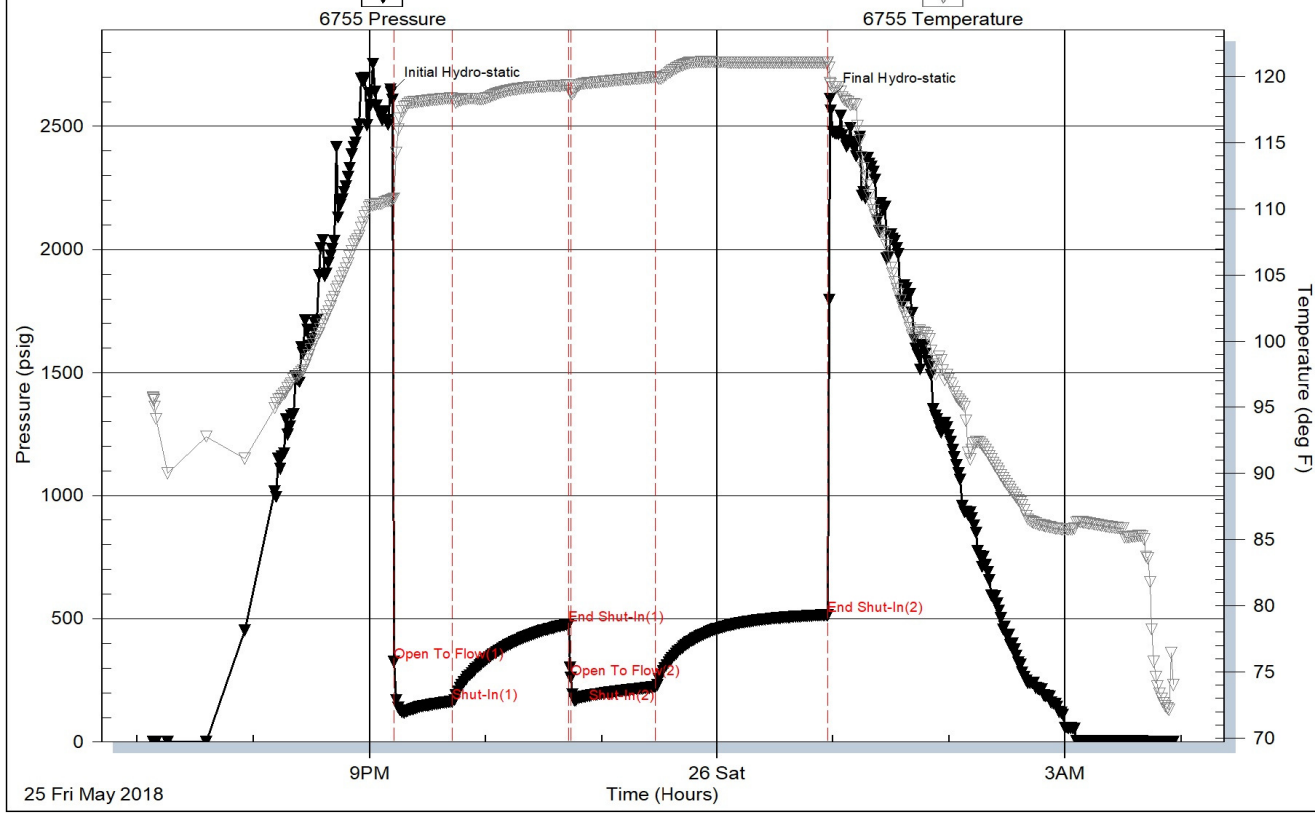
Ref. No: 63492

Printed: 2018.05.29 @ 10:10:27

DST #2

Serial #: 6755 Inside Vincent Oil Corporation Imel #1-5A DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63493

Printed: 2018.05.29 @ 10:10:03

ROCK TYPES

Cht	Dolsec	Shgy	Chtcongl
Coal	Lmst fw<7	Shblk	
Congl	Lmst fw>7	Shcol	

ACCESSORIES

MINERAL

- ⊥ Calcareous
- ▲ Chert, dark
- ∟ Dolomitic
- ∩ Glauconite
- Heavy, dark minerals
- × Mineral Crystals
- P Pyrite
- Sandy
- Silty
- ∕ Euhed rhombs of dol or i
- △ Chert White

FOSSIL

- ∩ Bioclastic or Fragmental
- ◇ Brachiopod
- ∩ Bryozoa
- ∩ Coral
- Crinoids
- ∩ Foraminifera
- F Fossils < 20%
- ∩ Gastropod
- ∩ Oolite
- ∩ Bioclast Fragment
- ∩ Brachiopods
- ∩ Corals
- ∩ Gastropods
- ∩ Oolites

TEXTURE

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

OTHER SYMBOLS

POROSITY TYPE

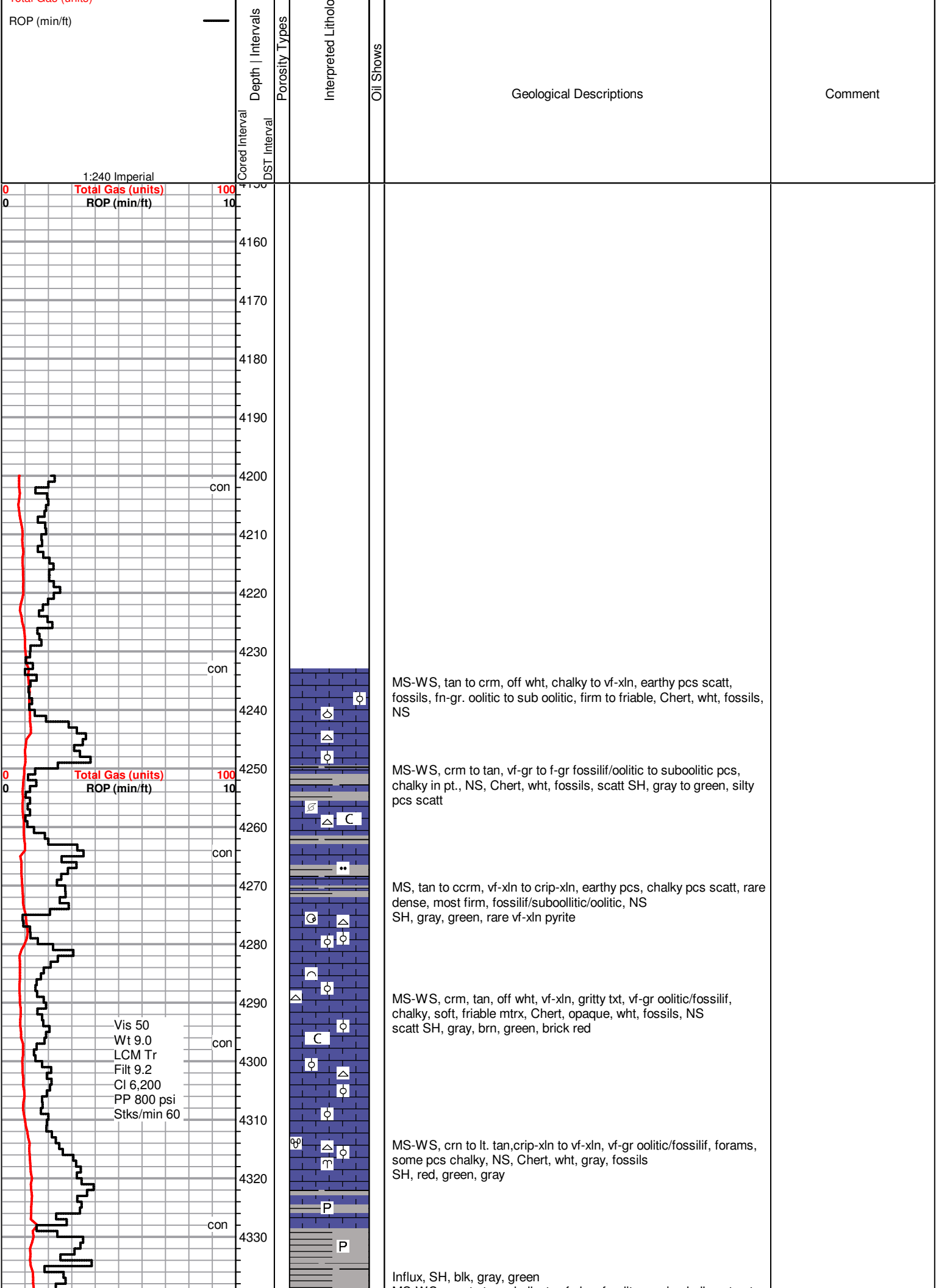
- × Intercrystalline
- ∩ Interoolitic
- V Vuggy
- P Pinpoint
- ∩ Moldic
- O Organic
- F Fracture
- e Earthy
- Fenestral

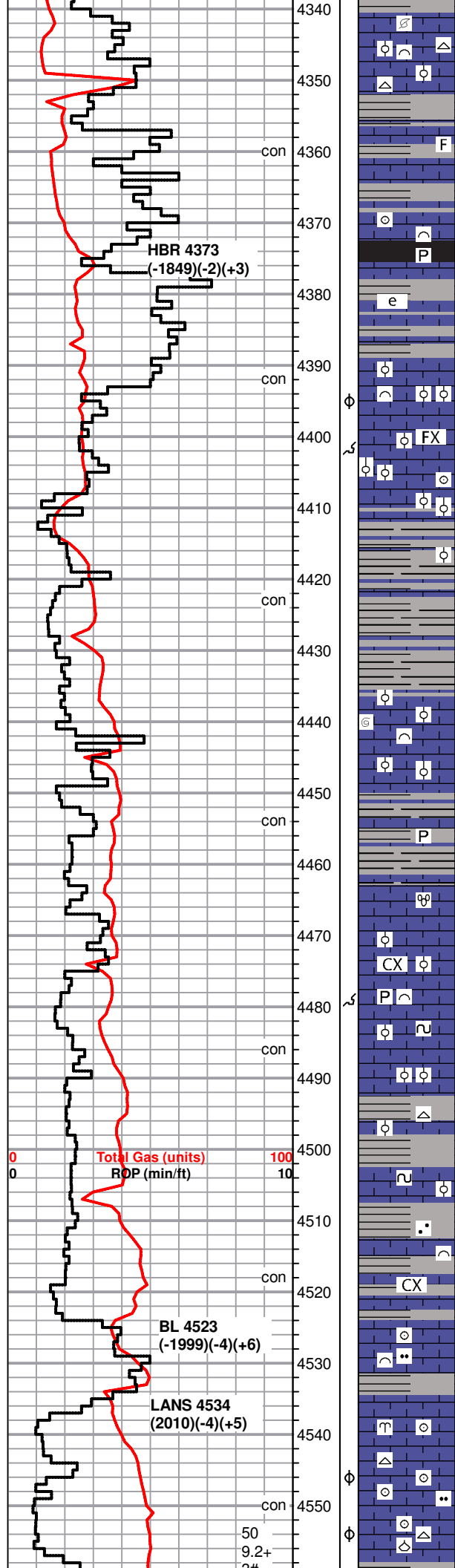
OIL SHOWS

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

INTERVALS

- Core
- DST





MS-WS, crm to tan, chalky to vf-xln, vf-oolitic pcs in chalky mtrx, to some m-gr fossilif/oolitic pcs in dense mtrx, firm, dull fluor, NS, Chert, blueish gray to wht, fossils to barren

+30 UGK, shale gas

SH, gray, blk, brn, silty, carb in blk pcs
MS, crm to tan, earthy, chalky in part, suboolitic to scatt fossils, NS

+10 UGK, shale gas

SH, blk, carb, pyrite, vitreous looking/waxy
MS, crm to tan, some gray, f-gr. oolitic, chalky mtrx, some pcs earthy/dense, calcite, NS

SH, blk, grays, A.A., lesser
MS, gray to crm, earthy to dense mic-xln pcs scatt, dark m-gr ooids, rare fossilif. pcs, NS

MS, crm to gray, vf-xln, firm, friable to dense pcs, some chalky, scatt oolitic/suboolitic pcs, Chert, tan, gray, wht, fossils scatt SH, blk, gray, silty

SH, blk to gray, rare green
MS, crm to tan, rare lt. gray, chalky to vf-xln, firm, oolitic/fossilif., NS

WS-MS, crm, tan, gray, f-gr oolitic, fossilif, some gritty/chalky pcs, hard to dense, NS
SH, grays, brn, sandy in pt.

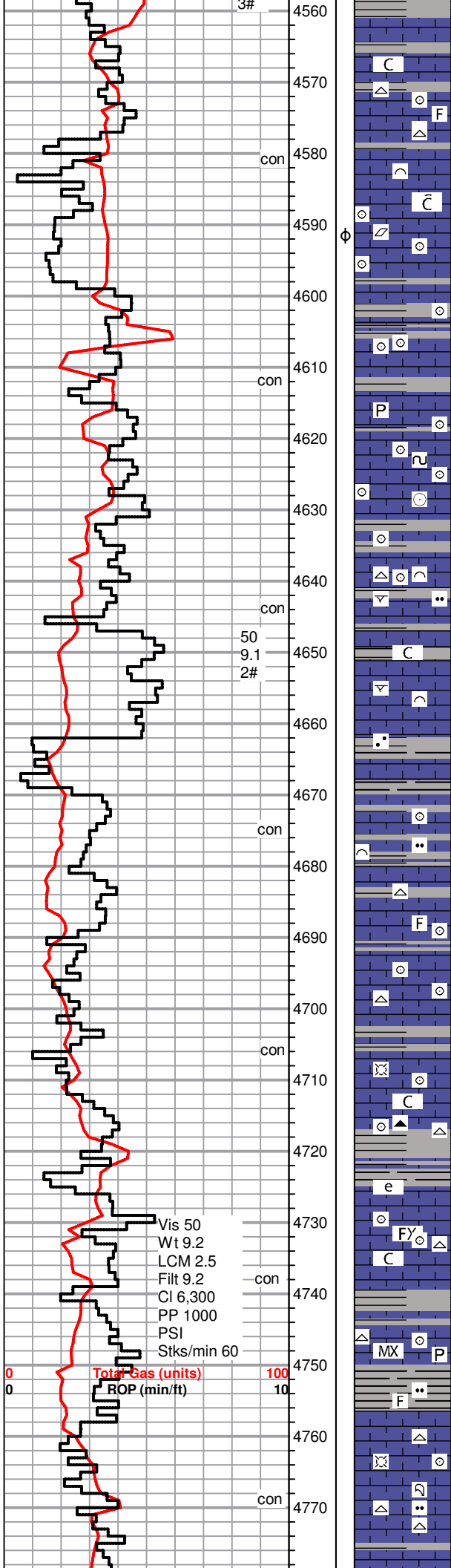
SH, brn, gree, gray, platy
MS-WS, crm to brn, vf-xln to crip-xln, massive txt, dense, fossilif. pcs scatt, pyrite, glauc, mineral specs, NS

MS-WS, crm, tan, scatt gray, vf-xln, earthy to chalky in pt., oolitic/suboolitic, glauc, rare Chert, wht
SH, green, gray

SH, grays, green, silty, brn, sandy in pt.
MS, crm to brn, gray, f-xln, massive, dense, fossils scatt., NS

MS-WS, brn to crm, mic-xln/dense, to m-gr oolitic/chalky, soft pcs, firm, dull fluor, NS
SH, rare blk, green, grays

MS-WS, crm to brn, tan, f-xln, fn-gr oolitic/fossils, sandy pcs, scatt Chert, wht, fossils to barren, NS
Scatt SH, gray, brn, blk pcs rare



MS, tan to crm, vf-xln, earthy in pt., some pcs gritty/silty, chalky pcs common, scatt fossil frgmts, Chert, wht

MS, crm tan, gray pcs scatt, chalky to earthy txt, vf-xln, firm, scatt fossil frgmts, sub oolitic pcs, calcite rhombs/veins, NS
SH, grays

some SH, grays, brn
MS-WS, tan to brn, vf-xln, dense to chalky, f-gr oolitic pcs scatt, pyrite x-tals/glauc specs, NS

MS-WS, gray to crm, f-xln to dense/massive pcs, suboolitic to f-gr oolitic pcs, crinoids, bioclasts, chalky in pt., Chert, brn, wht, blk, fossilif, NS
Scatt SH, grays, brns, silty

MS-brn to crm, gritty, vf-xln, fossilif, firm to hard, NS, some pcs sandy
SH, gray to brn, silty to sandy in pt., limey in pt.

MS, crm, tan, lt. gray, f-xln, chalky matrix in pcs, firm to brittle, scatt fossilif. pcs, silty
SH, gray, blk, brn, silty in pt.

MS-WS, brn to crm, earthy to f-xln, chalky to dense, scatt fossils, Chert, wht, tan, fossils
SH, gray to brn, scatt

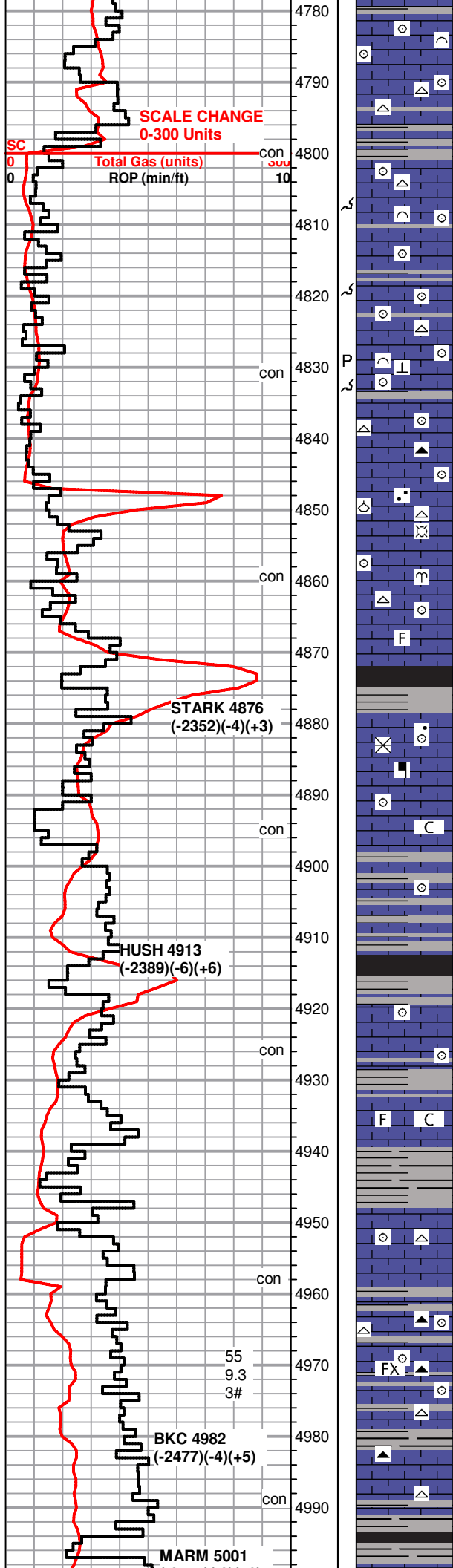
MS-WS, crm, f-xln to chalky, firm, suboolitic to oolitic, f-gr, soft chalky mtrx, some lt. gray, mottled in pt. Chert, wht, gray, fossils, some SH, brn, gry

SH, blk, gray, brn
MS-WS, crm to scatt lt. gray, vf-xln to earthy, chalky, soft/friable, scatt fossils to sub oolitic, dull fluor, NS, Chert, wht, fossils

MS, crm to lt. gray, chalky to earthy, mic-xln, dense, scatt fossils, pyrite, silty in pt., Chert, wht
some SH, dk. gray, brn, silty, fossils, green

SH, green, gray, blk, pyrite, MS-WS, crm, scatt lt. gray, soft, chalky to silty mtrx, NS, Chert, wht

Dropped Survey



MS-WS, crm to brn, f- to m-gr oolitic in mic-xln mtrx, calcitic/dense mtrx, some pcs A.A., w/ chalky mtrx, soft, Chert, milky wht, fossilif/oolitic
SH, gray, green

WS-MS, crm to tan, lt. gray, f-xln to chalky, scatt. fossils, Chert, brn, tan, wht, fossils
SH, gray, silty, rare blk pcs

WS, crm, tan, brn, some gray, chalky to oolitic, scatt mottled pcs, dark fossils scatt, forams, dense, dull mineral fluor, NS

WS-PS, brn to tan, f-xln f to m-gr oolitic pcs, dk. ooids in soft to firm calcite mtrx, chalky in pt., oomoldic por, dull fluor, NS
Chert, wht, brn, fossils

MS-WS, crm to tan, brn, vf-xln to oolitic, NS

SH, blk, gray, carb, green

WS-PS, crm to tan, lt. brn, oolitic, mpgr, dense pcs scatt, moldic por., mineral specs, sandy in pt., NS

MS-WS, crm to lt. gray, vf-xln, gritty txt to fn-gr oolitic in chalky mtrx, firm to hard, some wethrd looking, dull fluor, NS
sctt SH, grays

SH, gray, green, rare blk

MS, crm to gray, tan, f-xln to vf-xln, scatt fossils, suboolitic pcs, NS

MS, crm to brn, vf-xln, massive to suboolitic, fossilif, dense, NS
scatt SH, grays, brn

MS, crm to tan, vf-xln, earthy to chalky, some gritty, scatt fossils, firm, dull mineral fluor, NS

SH, brn, gray, MS-scatt WS, crm to tan, gray, mic-xln to massive txt, some pcs dense, scatt suboolitic/fossilif, Chert, wht, NS

SH, brn, grays
MS, crm to brn, vf-xln, gritty txt in pt. dense, some fossilif/oolitic pcs, Chert, opaque, brn, wht, fossils, NS

MS-WS, crm to gray, brn, vf-xln, earthy in pt, suboolitic/fossils, Chert, wht, blk, fossils, brn

SH, grays, brn, limey/silty pcs
MS, gray to crm, vf-xln, earthy/shaly in pt, firm, fossils scatt, NS, Chert, blk, wht

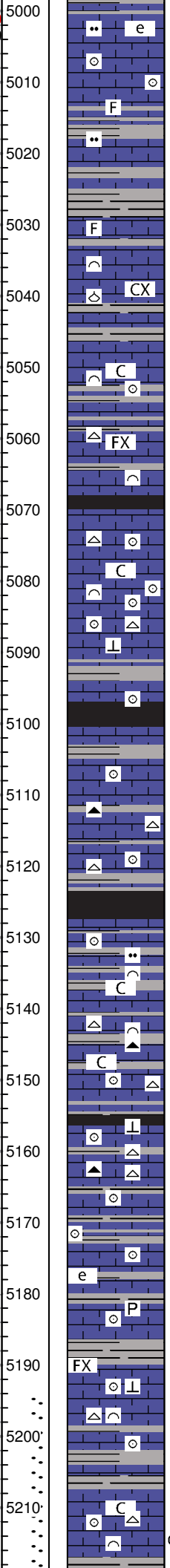
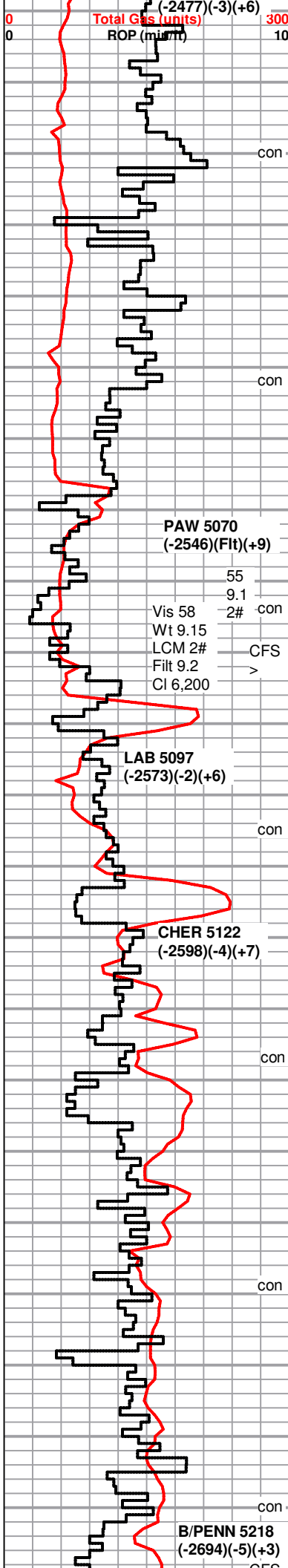
MS-WS, gray, crm to tan, f-xln, shaly, rare fossils, Chert, wht, NS
SH, blk, grays

SH, gray, dk. gray, silty

Trap Test, adjust gas zero

+210 UGK, shale gas

+120 UGK, shale gas



MS-WS, crm(influx) to brn, gray, t-xln, gritty/earthy, hard to firm, some dense, fossils scatt, NS

MS, crm to gray, A.A, some suboolitic
SH, dk. gray

MS-WS, crm to lt. gray, silty/chalky, suboolitic pcs scatt, firm to soft, sandy in pt., fossils scatt, NS
SH, grays

MS, A.A., mostly crm, chalky to vf-xln, firm, fossils, NS

MS-WS, crm to tan, vf-xln, scatt chalky, becoming more fossilif., some pcs massive, crip-xln, dense, NS,
SH, grays

SH, blk to gray, greenish gray, MS, crm, f-xln, chalky, suboolitic, fossils, scatt mineral fluor, NS

MS-WS, crm to brn, A.A., Chert, wht, NS

MS, crm to tan, vf-xln, chalky pcs throughout,
SH, green, gray, blk

SH, dk. gray, green
MS-WS, crm to tan, vf-xln, chalky, suboolitic/bioclastic to f-gr oolitic, firm, dull fluor, NS, no odor, Chert, wht

WS-MS, crm, chalky, oolitic, f- to m-gr, fossil frgmts, soft pcs, some w/ tite calcite mtrx, Chert, wht, dull fluor, NS

SH, blk, dk. gray, green
scatt MS, crm to tan, chalky to vf-xln fossilif. to suboolitic, silty, NS

MS, crm to tan, vf-xln, gritty, fossils scatt, NS

MS, crm to tan, vf-xln, chalky to silty pcs, scatt fossils/suboolitic pcs, dull mineral fluor, NS, Chert, wht, gray

MS, tan to crm, vf-xln, chalky, some fossils, dull fluor, A.A., NS

influx SH, blk, carb, gassy, some dk grays
MS, tan to brn, mix to vf-xln, dense to chalky/fossilif, dull fluor, NS

lesser SH, blk, grays, vf-silty
MS-WS, tan to crm, brn, vf-xln, dense calcitic mtrx to oolitic/suboolitic/foss pcs in sli chalky mtrx, rare Chert, smoky/opaque, NS

SH, blk, carb, grays, green, silty in pt.
MS-WS, crm to brn, vf-xln, massive pcs, fossils scatt, NS

MS-WS, brn to crm, vf-xln, m-gr oolitic, massive txt in pt, chaly in pt., Chert, wht
SH, brn, dk. gray

SH, blk, gray, brn
MS-WS, crm to tan, scatt brn, chalky to dense, mic-xln pcs, suboolitic/fossils, shalky in pt., NS

MS, crm to tan, vf-xln, earthy to chalky, friable to dense, scatt fossils, pyrite, dull fluor, NS

MS, brn to crm, earthy to chalky, scatt fossils, hard, dense pcs scatt, SH, blk, grays, gassy

WS-MS, brn to crm, m-gr oolitic/suboolitic in tite calcite mtrx, calc. veins, some chalky fossilif. pcs, rare Chert, wht
SH, grays, green

SH, blk, gray, silty to sandy
MS, crm to gray, vf-xln, shalky to earthy, firm to soft, some pcs dense, mic-xln, scatt Chert, wht, fossils

MS-WS, crm to tan, vf-xln to chalky, some fossils/oolitic pcs, firm to friable, **rare spotty stn, rare bright fluor, 1 pc w/ inst. cut 2**

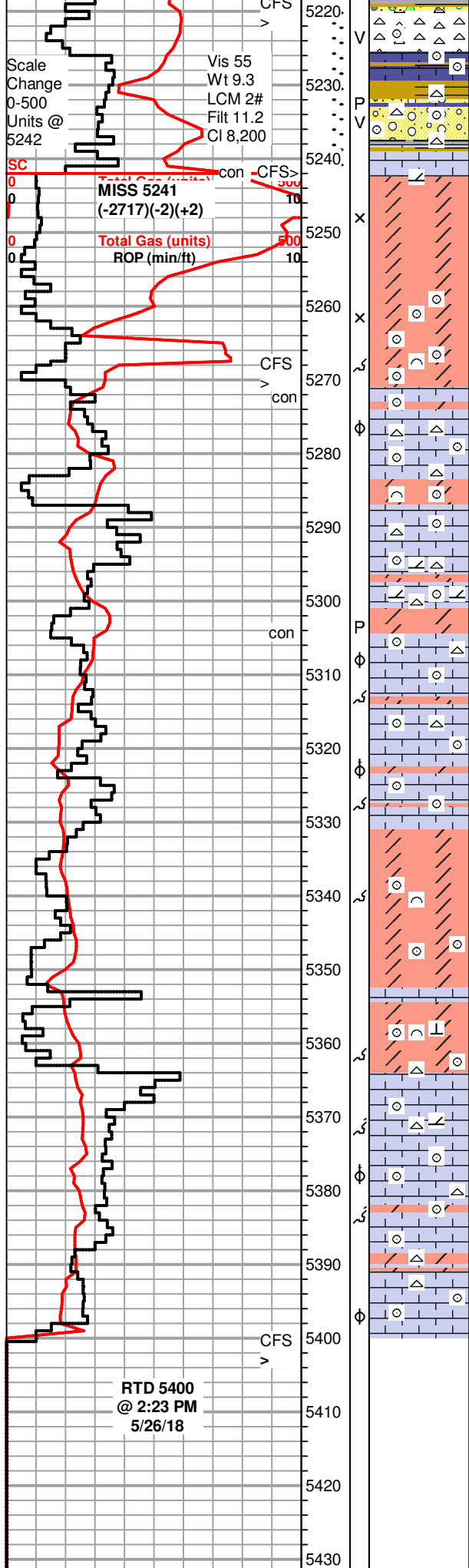
+60 UGK, shale gas, kick interrupted by connection

+150 UGK, shale gas

+180 UGK, shale gas

**DST #1 5194-5242
Conglomerate
25-30-10-30
1/4in blow, died @7min
flushed tool, NB
NBB
Dead blow, flushed too,
bubbles/dead
NBB
Rec: 30' Mud
IH 2636#
IF 26-36#
ISIP 71#
FF 32-41#
FSIP 92#
FH 2524#
Temp 116°F**

+25 UGK, recycle muted



SH, varicolored, Chert, bone wht, blueish gray, **rare pcs w/ bright fluor, 1 pc w/ residual cut**, no vis stn, no odor in bag

MS-WS, crm to tan, brn, vf-xln to massive, some chalky, oolitic/fossils, Chert, bone wht, some wthrd looking, oolitic in pt., fossils friable, **bright fluor, inst cut, It even stn in vuggy/pp por.**, SH, varicolored

rare Dolo., tan, vf-xln, sucrosic txt, some fossil frgmnts, **good stn, inst cut, firm,**

flood Dolo, crm to tan some brn, vf-xln, sucrosic, tite, some pcs friable, **bright fluor, inst cut, good odor, bleeding oil and gas bubbles, live oil in tray, bright gold fluor, gd. int-xln/PP por., lt. brn saturation**

Dolo, vf- to m-xln, scatt fossils/suboolitic pcs in tite sucrosic mtrx, **good odor, milky to inst streaming cut when broken**

WS-PS, crm to off wht, suboolitic, dense to friable pcs, scatt dolomitic, Chert, wht, fossils,

Dolo., crm to tan, vf-xln, some pcs c-gr sandy to fossilif., dull fluor, **rare spty bri fluor, 1 pc w/ milky cut**

WS-PS, scatt MS, crm to off wht, vf-xln, chalky in pt., oolitic/fossilif, NS, Chert, wht, scatt Dolo., tan to brn, vf-xln, f-sucrosic txt, firm, dull fluor, NS

rare Dolo, tan, vf-xln, firm, dull fluor, WS-PS, brn to crm, vf-xln, f-gr oolitic pcs, scatt dolomitic, firm, NS, Chert, wht, fossilif.

PS-WS, crm to off wht, m-gr oolitic/fossils, chalky in pt. firm, friable, dull fluor, NS, Chert, wht

WS-PS, A.A.
Dolo., lt gray to crm, vf-xln, sucrosic txt, hard, brittle, dull fluor, NS,

WS-PS, off wht, m-gr oolitic in friable chalky mtrx, NS
Inc. Dolo, crm to brn, vf-xln, f-sucrosic txt, sugary in apperance, hard to firm pcs, friable, dull fluor, NS

scatt WS-PS, A.A, Dolo, brn, crm, some gray, vf-xln to m-xln, some co-gr fossils/dark gray ooids, limey in pt., friable, mineral fluor, NS

Dolo, gray to crm, brn, vf-xln sucrosic to m-gr oolitic/fossilif., firm, friable, NS

Dolo, gray to crm, tan, vf-xln, sucrosic txt

WS-PS, off wht, chalky, f- to m-gr oolitic, NS

WS-PS, off wht to wht, chalky, m-gr oolitic, some w/ calcite mtrx, NS

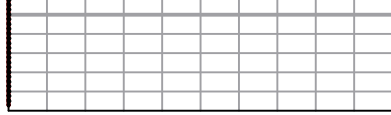
PS-WS, off wht to crm, vf-xln, chalky in part, oolitic(m-gr), glauc specs, dull fluor, NS, rare Dolo, brn, vf-xln, gritty f-sucrosic txt, Chert, opaque to wht

+25 UGK, Recycle muted by lower gas kick

+60 UGK, 55-60 UGK recycle

+435 UGK, +310 UGK recycle

DST #2 5240-5268
Mississippian
SB BOB
30sec/GTS/27min
Ga 1/4 in Choke
40 MCF/30 min
6in BB
SB BOB/20 sec,
GTS/immed Ga 1/4 in
choke
33.949 MCF/10min
32.201 MCF/20min
30.776 MCF/30min
29.824 MCF/40min
30.142 MCF/45min
Rec: 573 ' TF
62' Gsy Oil (10g,90o)
77' O Gsy M
(15g,10o,75m)
186' WCOGM
(55g,15o,20m,10w)
248' OCMW
(5o,330m,65w)
IH 2637#
IF 326-163#
ISIP 477#
FF 259-223#
FSIP 515#
FH 2611#
Temp 121°F
.292 API Rw @ 69°F Cl
22,000 ppm

	5440			
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