

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	IMEL 3-6
Doc ID	1349736

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	IMEL 3-6
Doc ID	1349736

Tops

Name	Top	Datum
Heebner Shale	4370	(-1852)
Brown Limestone	4517	(-1999)
Lansing	4529	(-2011)
Stark Shale	4875	(-2357)
Base Kansas City	4978	(-2460)
Pawnee	5071	(-2553)
Cherokee Shale	5117	(-2599)
Base Penn Limestone	5216	(-2698)
Mississippian	5239	(-2721)
LTD	5335	(-2817)

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	IMEL 3-6
Doc ID	1349736

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5258 - 5268	Ran tubing, , Acidized w/ 1250 gal MCA,	
		Swab 5 hrs, last rate 7 bbls/hr (25% Oil), SDFN	
		FL @ 3700', Swab 9 bbls/hr (60% Oil)	
		Ran DHP & rods, set surface equip, POP	

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

6575

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	11 29 16	Sec.	6	Twp.	29	Range	22	County	Ford	State	KS	On Location	5:00 AM	Finish	7:30 AM			
Lease	Imel	Well No.	3-6			Location												
Contractor	Dulce #1							Owner Vincent										
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.										
Csg.	8 5/8							Depth 729										
Tbg. Size								Charge To Vincent										
Tool								Street										
Cement Left in Csg.								Depth										
Meas Line								City State										
Cement Left in Csg.							Shoe Joint							The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line							Displace 4 1/4' Bbls Fresh							Cement Amount Ordered 150 sx MDC + 3 1/2 cc + 1/4"				
EQUIPMENT													CF # 150 sx class A + 2% gel + 3% cc + 1/4" CF					
Pumptrk	8	No.	Mike B					Common 150										
Bulktrk	9	No.	David B					Poz. Mix - MDC 150										
Bulktrk	7	No.	David F					Gel. 11										
Pickup		No.						Calcium 10										
JOB SERVICES & REMARKS													Hulls					
Rat Hole													Salt					
Mouse Hole													Flowseal 6625					
Centralizers													Kol-Seal					
Baskets													Mud CLR 48					
D/V or Port Collar													CFL-117 or CD110 CAF 38					
Pipe on Btm, Break Circ. Pump													Sand					
Spacer, Mix 5x lite weight, Mix													Handling 321					
5x tail cement, Stop-Release Plug													Mileage 50					
Start Disp. w/ Fresh H ₂ O, Washup on Plug													FLOAT EQUIPMENT					
Sec. steady increase in PSI, Slowly													Guide Shoe					
Bump Plug at 44 Bbls tot Disp.													Centralizer					
cement Did Circ.													Baskets					
													AFU Inserts Baffle Plate					
													Float Shoe					
													Latch Down Random Plug					
													LMU 50					
													Service supervisor					
													Pumptrk Charge Surface					
													Mileage 50 x 2					
													Tax					
													Discount					
													Total Charge					
X Signature Mike Dulce																		

QUALITY WELL SERVICE, INC.

6579

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	12-09-16	Sec.	06	Twp.	29	Range	22	County	Ford	State	KS	On Location	400 Am	Finish	9:00 AM	
Lease	Imel	Well No.	3-6			Location Kingsdown KS, 1 3/4 mi w/inter										
Contractor	Dyke #1							Owner	Vincent							
Type Job	Production Casing							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. 5335													
Csg.	4 1/2 10.5 #		Depth 5334													
Tbg. Size								Depth	Street Vincent							
Tool								Depth	City State							
Cement Left in Csg.	20'		Shoe Joint 20.28					The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line	Displace 83 BBL, 2% KCL							Cement Amount Ordered 225sx Pac C + 10% salt + 5*								
EQUIPMENT										Kalseal & 500gal Preflush & 8gal KCL						
Pumptrk	8	No.	Mike B			Common										
Bulktrk	9	No.	David F			Poz. Mix 225sx Pac C										
Bulktrk		No.				Gel. 4										
Pickup		No.	David B			Calcium										
JOB SERVICES & REMARKS										Hulls						
Rat Hole	30sx 8.4 BBLs							Salt 24 25#								
Mouse Hole	20sx 5 1/2 BBLs							Flowseal 500 gal Mud Flush								
Centralizers	6							Kol-Seal 1150 CC-1 8gals.								
Baskets								Mud CLR 48								
D/V or Port Collar	/ Guide Shoe, insert Rubber Plug							CFL-117 or CD110 CAF 38								
Pipe on Btm, Break Circ, Pump Pac -								Sand 253								
Flush, Plug Rat & Mouse Holes w/ 50sx								Handling								
Mix 175sx, Pac C cement, Stop, Washup								Mileage 50								
truck & Lines, Release Plug, start & Disp.								FLOAT EQUIPMENT 4 1/2"								
w/ 2% KCL water, Sec Steady increase								Guide Shoe 4.5								
in PSI, Slow Rate								Centralizer 6								
Bump Plug at 84' BBLs total Disp.								Baskets								
From 800# to 1300#, Release, Float								AFU Inserts 1.5								
Did Hold								Float Shoe								
								Latch Down / Rubbers 4.5								
								Pumptrk Charge								
								Mileage Long string								
								Tax								
								Discount								
								Total Charge								
X Signature	E. Freeman															



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

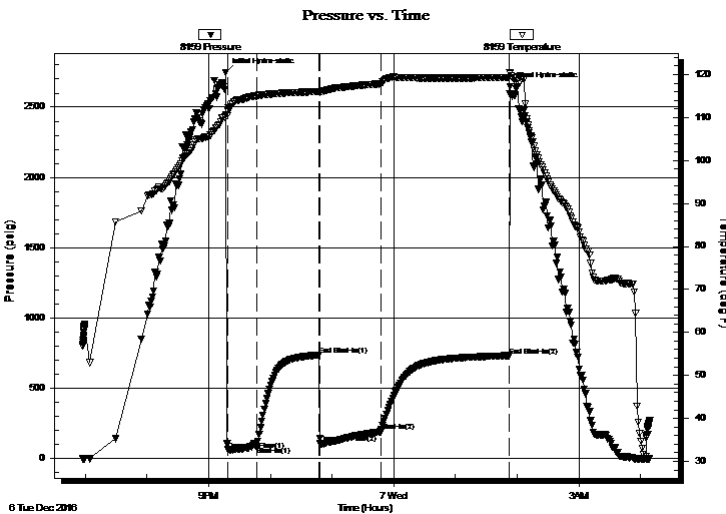
6-29S-22W Ford
Imel 3-6
Job Ticket: 63553 **DST#: 1**
Test Start: 2016.12.06 @ 18:57:24

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:18:39
Time Test Ended: 04:08:56
Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74
Interval: **5212.00 ft (KB) To 5265.00 ft (KB) (TVD)**
Reference Elevations: 2518.00 ft (KB)
Total Depth: 5265.00 ft (KB) (TVD) 2506.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 8159 Inside
Press@RunDepth: 190.30 psig @ 5213.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.12.06 End Date: 2016.12.07 Last Calib.: 2016.12.07
Start Time: 18:57:25 End Time: 04:08:56 Time On Btm: 2016.12.06 @ 21:16:39
Time Off Btm: 2016.12.07 @ 01:53:24

TEST COMMENT: IF: Strong Blow , BOB in 45 seconds
IS: No Blow Back
FF: Strong Blow , BOB immediate, GTS in 5 minutes, Gauged & Caught Sample
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2747.12	110.70	Initial Hydro-static
2	61.89	111.46	Open To Flow (1)
31	88.49	115.04	Shut-In(1)
91	736.18	116.05	End Shut-In(1)
92	109.17	115.81	Open To Flow (2)
151	190.30	117.85	Shut-In(2)
276	731.38	119.29	End Shut-In(2)
277	2645.96	120.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4859 GIP	0.00
310.00	GOCM 10%G 10%O 80%M	4.35
30.00	GCM 20%G 80%M	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	10.00	38.71
Last Gas Rate	0.25	26.00	64.09
Max. Gas Rate	0.25	26.00	64.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

6-29S-22W Ford

200 W Douglas Ave # 725
Wichita, KS 67202

Imel 3-6

Job Ticket: 63553

DST#: 1

ATTN: Ken LeBlanc

Test Start: 2016.12.06 @ 18:57:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4859 GIP	0.000
310.00	GOCM 10%G 10%O 80%M	4.348
30.00	GCM 20%G 80%M	0.421

Total Length: 340.00 ft Total Volume: 4.769 bbl

Num Fluid Samples: 0

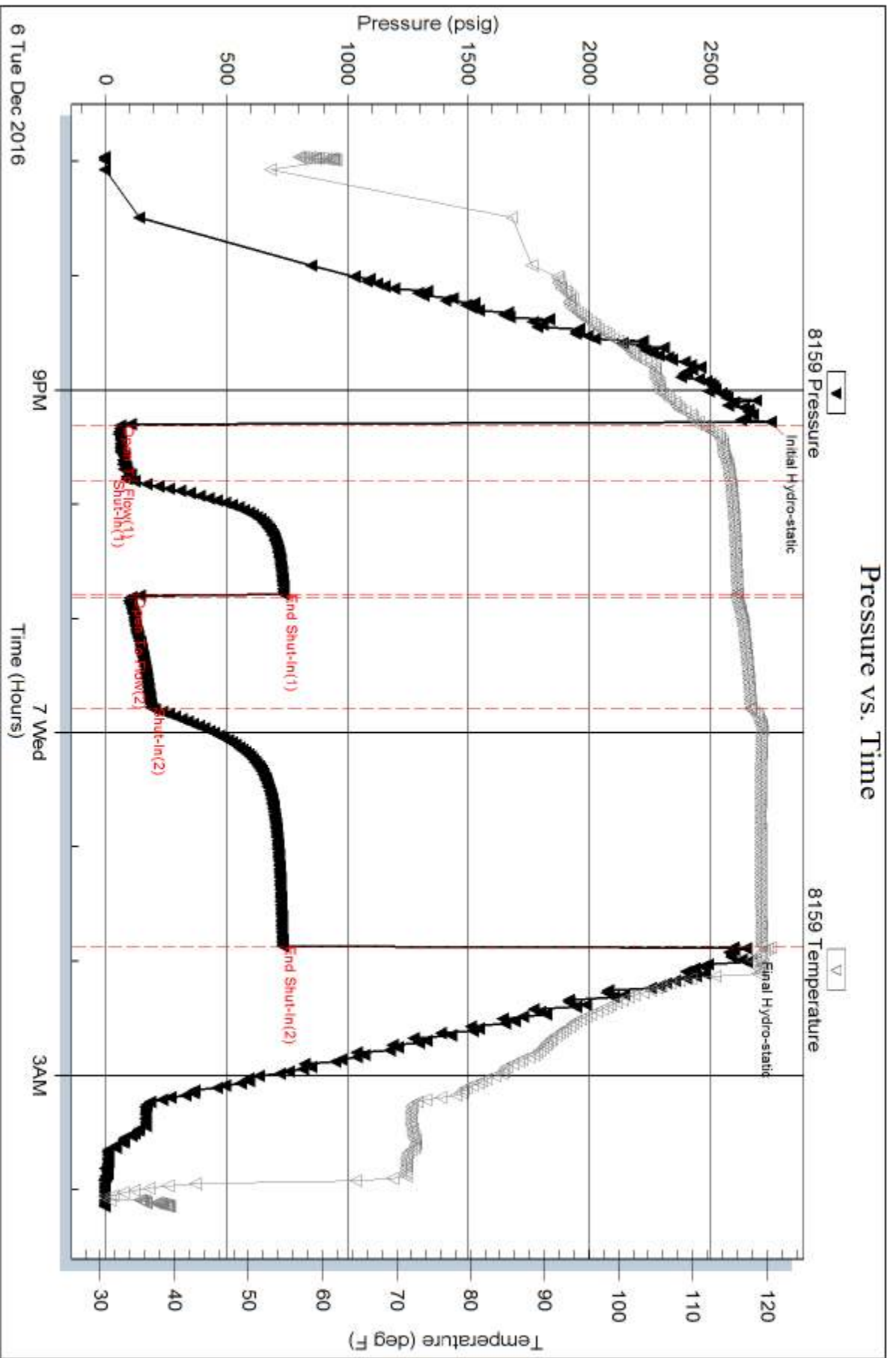
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

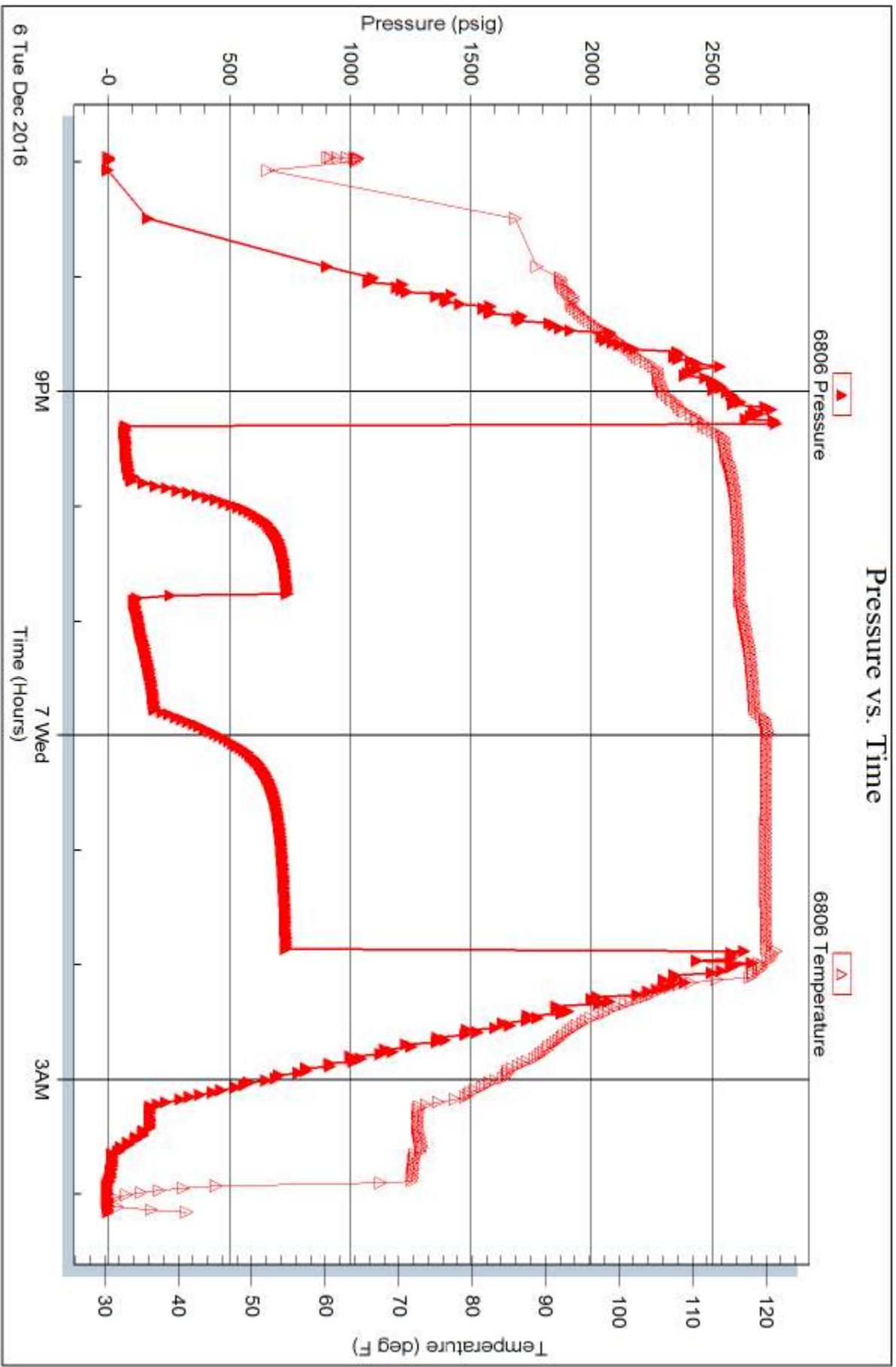


Serial #: 6806

Outside Vincent Oil Corporation

Inel 3-6

DST Test Number: 1





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

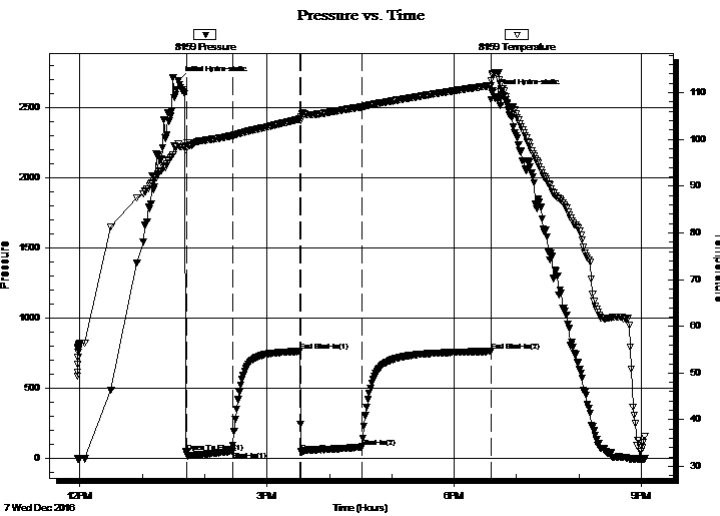
6-29S-22W Ford
Imel 3-6
Job Ticket: 63554 **DST#: 2**
Test Start: 2016.12.07 @ 11:57:45

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:42:15
Time Test Ended: 21:03:30
Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74
Interval: **5265.00 ft (KB) To 5275.00 ft (KB) (TVD)**
Reference Elevations: 2518.00 ft (KB)
Total Depth: 5275.00 ft (KB) (TVD) 2506.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 8159 Inside
Press@RunDepth: 82.69 psig @ 5266.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.12.07 End Date: 2016.12.07 Last Calib.: 2016.12.07
Start Time: 11:57:46 End Time: 21:03:30 Time On Btm: 2016.12.07 @ 13:34:30
Time Off Btm: 2016.12.07 @ 18:36:30

TEST COMMENT: IF: Strong Blow , BOB in 4 minutes
IS: Weak Surface Blow Back
FF: Strong Blow , BOB in 30 seconds, GTS in 14 minutes, Gauged & Caught Sample
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2690.64	98.95	Initial Hydro-static
8	40.79	98.54	Open To Flow (1)
52	51.22	100.77	Shut-In(1)
117	763.65	104.33	End Shut-In(1)
118	46.79	104.83	Open To Flow (2)
177	82.69	106.95	Shut-In(2)
301	762.93	111.52	End Shut-In(2)
302	2601.15	113.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	5081 GIP	0.00
124.00	GOCM 10%G 20%O 70%M	1.74
57.00	GOCM 30%G 20%O 50%M	0.80

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	29.19
Last Gas Rate	0.25	4.00	29.19
Max. Gas Rate	0.25	4.00	29.19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

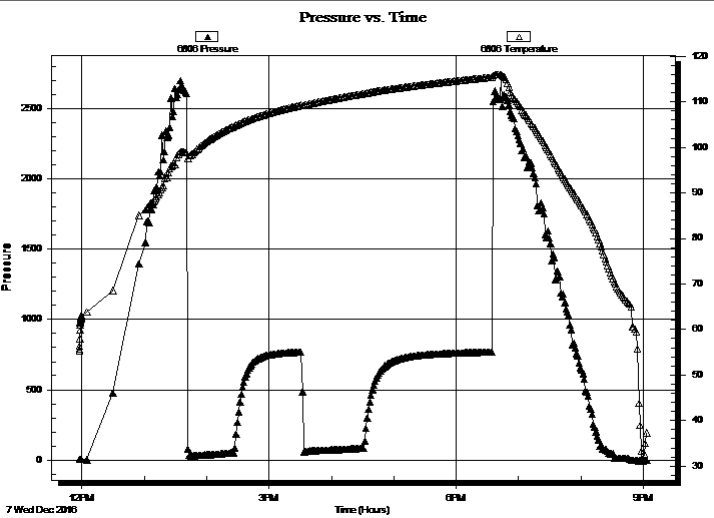
6-29S-22W Ford
Imel 3-6
 Job Ticket: 63554 **DST#: 2**
 Test Start: 2016.12.07 @ 11:57:45

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:42:15
 Time Test Ended: 21:03:30
 Interval: **5265.00 ft (KB) To 5275.00 ft (KB) (TVD)**
 Total Depth: 5275.00 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: 2518.00 ft (KB)
 2506.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 6806 **Outside**
 Press@RunDepth: psig @ 5266.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.12.07 End Date: 2016.12.07 Last Calib.: 2016.12.07
 Start Time: 11:57:46 End Time: 21:03:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 4 minutes
 IS: Weak Surface Blow Back
 FF: Strong Blow , BOB in 30 seconds, GTS in 14 minutes, Gauged & Caught Sample
 FS: No Blow Back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	5081 GIP	0.00
124.00	GOCM 10%G 20%O 70%M	1.74
57.00	GOCM 30%G 20%O 50%M	0.80

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	29.19
Last Gas Rate	0.25	4.00	29.19
Max. Gas Rate	0.25	4.00	29.19

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

6-29S-22W Ford

200 W Douglas Ave # 725
Wichita, KS 67202

Imel 3-6

Job Ticket: 63554

DST#: 2

ATTN: Ken LeBlanc

Test Start: 2016.12.07 @ 11:57:45

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: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7700.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	5081 GIP	0.000
124.00	GOCM 10%G 20%O 70%M	1.739
57.00	GOCM 30%G 20%O 50%M	0.800

Total Length: 181.00 ft Total Volume: 2.539 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

6-29S-22W Ford
Imel 3-6
Job Ticket: 63554 **DST#: 2**
Test Start: 2016.12.07 @ 11:57:45

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	0.25	4.00	29.19
2	30	0.25	4.00	29.19
2	40	0.25	4.00	29.19
2	50	0.25	4.00	29.19
2	60	0.25	4.00	29.19

Serial #: 8159

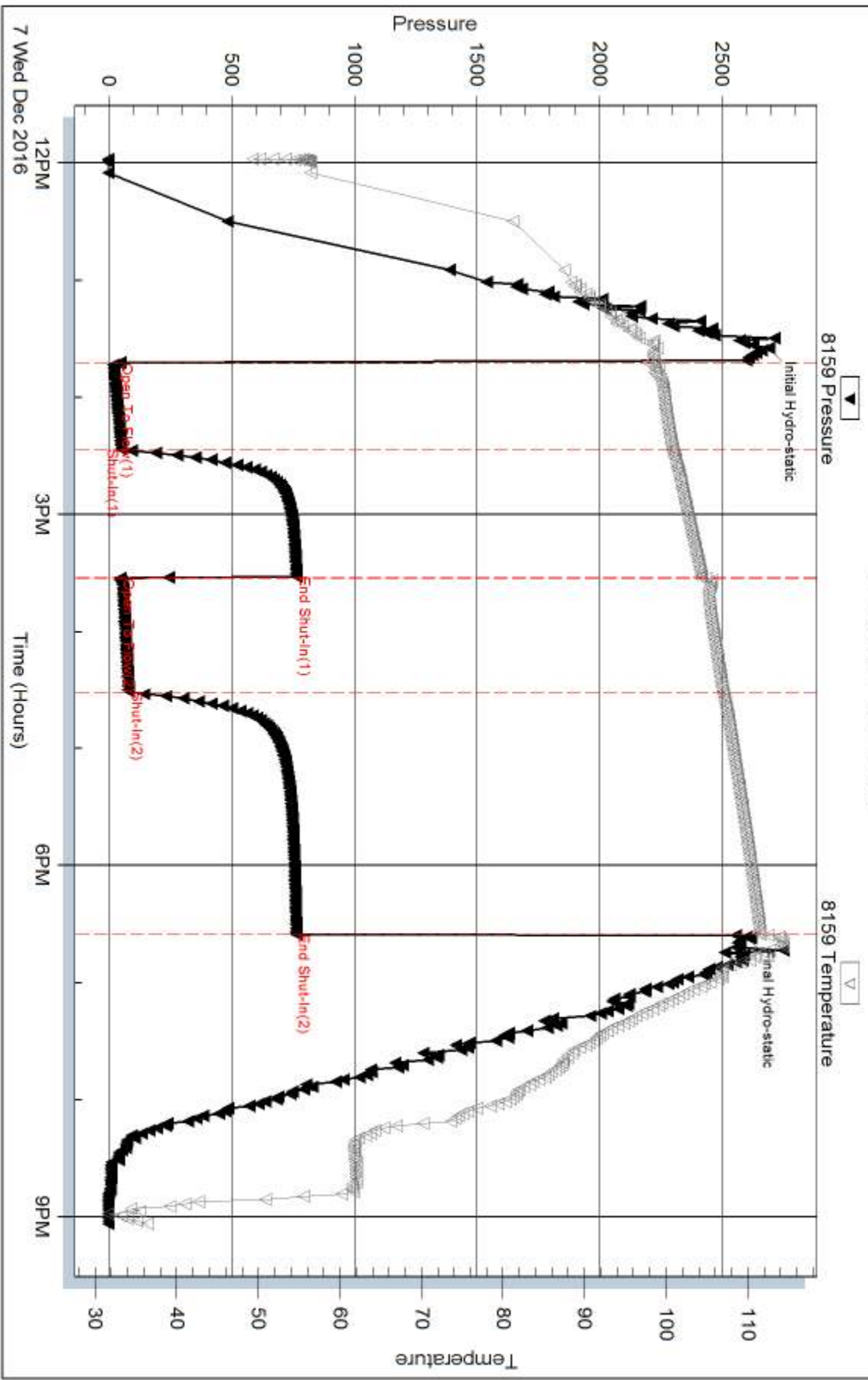
Inside

Vincent Oil Corporation

Inel 3-6

DST Test Number: 2

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 63554

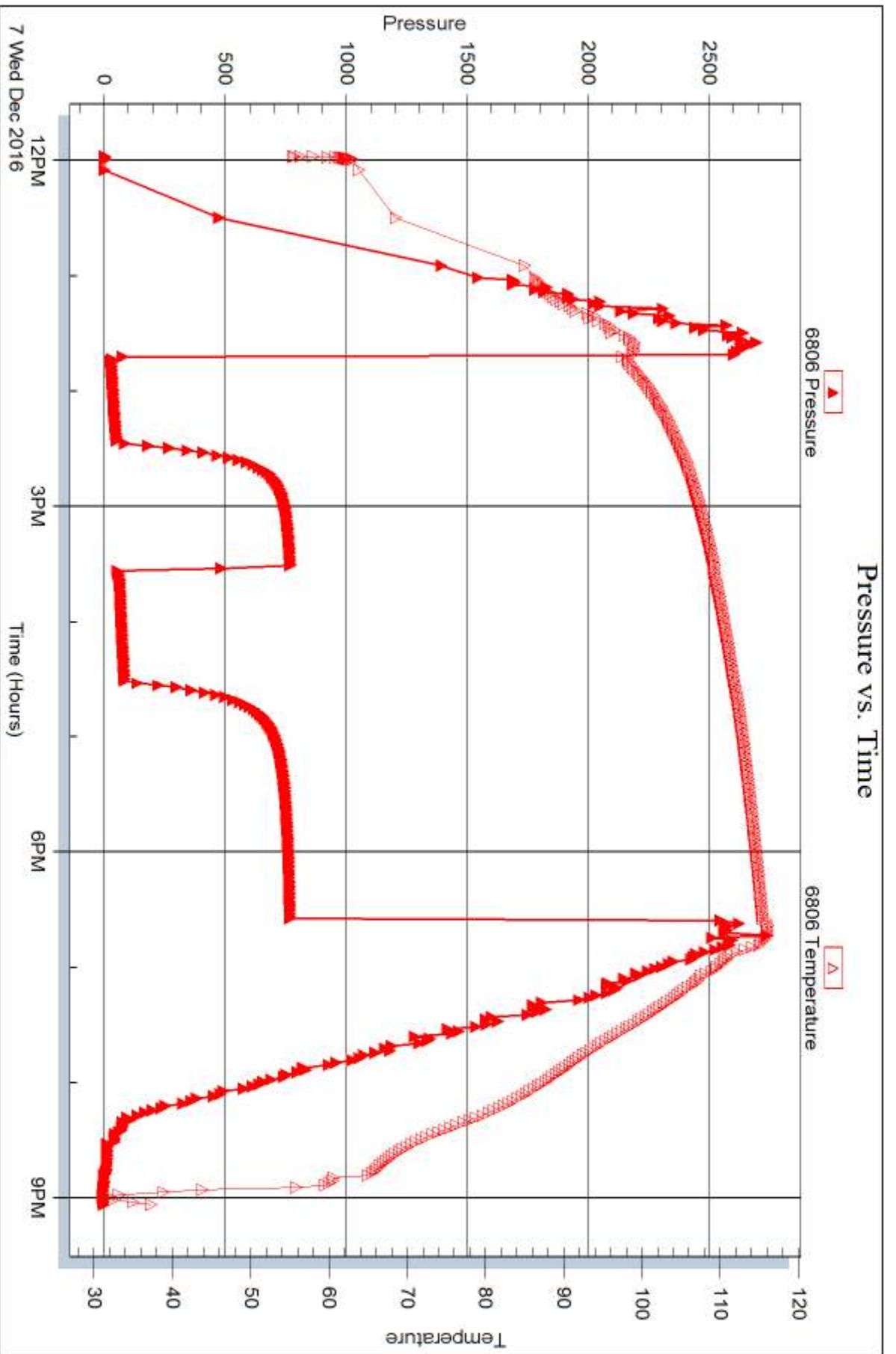
Printed: 2016.12.07 @ 21:19:53

Serial #: 6806

Outside Vincent Oil Corporation

Inel 3-6

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63554

Printed: 2016.12.07 @ 21:19:53

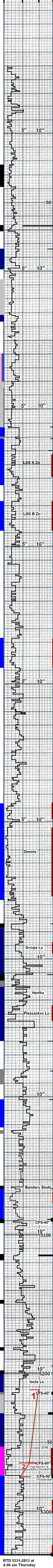


API: 15-057-20975-0000

Vincent Oil Corporation
Imel 3-6

3008 FSL & 1741 FEL
Sec. 6-T29S-R22W
Ford County, Kansas
KB 2518

FIELD REPORT



4250 Geologist on location at 4250 feet

Is cream fn oolitic and fn xln

Is cream fn oolitic, chalky, traces of chert tan-brn fresh, opaque, oolitic, some with dk gray ooids

4300

Is cream-tan fn xln dnm lesser ls cream fn oolitic, chalky

shales black and dk gry (HW-111u lBall)

50

Is tan-brn fn and fn-med oolitic, lesser ls tan fn xln dn, assoc. chert gry-white fresh, opaque, oolitic

Heebner Shale 4367-1849 (HW-91u lBall)

shales blk

Toronto

Is cream fn-med suboolitic, fossilif (coarse dk gry to blk clasts)

4400

shales gry, gry-green

shales gry, gry-green

50

Is cream fn xln with assoc. dolomite crem fn xln to some sucrosic, scattered ls gry-brn fn xln, grainy, coarse dk gry to blk clasts and fossils

shales green, gry-green, dk gry

4500

Brn Ls 4513-1995

Is tan and cream fn xln

Lansing 4521-2003

7am Sun. 12-4-16
Drig 4530 feet

LSG A Zn

Is cream and tan fn xln dn, some chalky and suboolitic to suboomoldic

50

Is brn and tan fn xln dn to suboolitic, scattered chert cream-gry, fresh opaoue

LSG B Zn

Is tan-brn fn xln dn, some chalky to weathered

4600

Is tan-brn fn xln fn xln dn, some suboolitic, scattered chalk

Is tan-brn fn xln dn

Is tan-brn fn xln fn xln dn, some suboolitic, scattered chalk

50

Is tan to brn fn xln dn, few chalky

Is tan-brn fn xln fn xln dn, some suboolitic, scattered chalk

4700

Is tan-brn fn xln dn, some weathered

Is cream to tan fn xln dn and fn-med oolitic, grainy, occ. blk and dk gry ooids

50

Is tan and cream fn xln dn to suboolitic

Is tan and cream fn xln dn to suboolitic lesser fn-med oolitic

Is tan fn xln dn and fn-med oolitic with leached porosity, ABUNDANT CHALK, most pcs. chalk laced, SAMPLES WASH MILKY

4800

Is brn med and coarsely oolitic, uncoated brn clasts in weathered matrix, CHALK 10%, MOST PCS. CHALK LACED, no shows, odor or cut

Dennis

Is brn med and coarsely oolitic, uncoated brn clasts in weathered matrix, CHALK 10%, MOST PCS. CHALK LACED, no shows, odor or cut

50

Is brn and tan med and lesser coarsely oolitic to suboomoldic, assoc. chalk and chalky ls, increase in ls tan-brn fn xln dn

Stark Shale 4974-2456 (HW-70u analog, Recyc - HW-35u)

shales black

Swope Ls

Is brn and tan med and lesser coarsely oolitic to some suboomoldic, assoc. chert cream and chalky ls, lesser ls tan fn xln dn

4900

Hush Shale 4911-2393 (HW-60u analog)

shales black

shales gry, green, dk gry

Hertha

Is cream and tan fn cln dn, scattered med oolitic ls, assoc. chalk

Pleasanton Ls

Is tan to brn med oolitic and xln, assoc. chalky ls

50

7am Monday 12-5-16
Drig 4960

Is cream-brn fn xln dn, some vfn oolitic

BKC 4982-2464

shales gry, gry-green, dk gry, some maroon, silty with black

1000

5000 Marmaton 5002-2484

Is cream-tan fn xln dn to a few suboolitic and chalky

shales gry, dk gry

Is cream-tan fn xln dn and vfn-fn oolitic, few pcs. with leached porosity, chalk laced in part

50

Bandera Shale

black shale (HW-20u - analog)

Pawnee Ls 5067-2549

Is tan fn xln dn, some suboolitic and oolitic grades to chalky ls, assoc. chert gry-tan, fresh, opaque and subopaque, fossilif., spicular in part, NO GAS INCREASE, NO SHOWS OIL OR GAS, NO FLUOR OR CUT

(dolomite ls poorly represented in drill cuttings)

Drill Trip 30 Stands - CTCH 60"

Drill Ahead

CFS-60"

Labettee Shale 5090-2572 (HW-45u analog)

Is cream and tan lesser brn fn xln dn grades to chalk and weathered ls

1000

5100

Cherokee Shale 5114-2596 (HW-65u analog)

Is cream-tan fn xln dn and equally chalky, lesser ls tan fn-med oolitic with dk gry ooids

shales black (HW-25u analog)

50

Is gry and cream med to coarsely oolitic, sparse chert gryish brn med oolitic and fossilif, scattered chalky ls

shales black (HW-30u analog)

Is brn fn xln dn and lesser ls gry with green tint fn oolitic, some with coarsely embedded clasts

7am Tues. 12-6-16
Drig 5195

1000

5200

Inola Ls

Is tan-brn med oolitic, dn matrix

DST 1] 5212-5265 (Miss. Dolo.)

CFS-60"

BP511 5214-2695

shales varicolored (lt green, blue-green, soft, maroon, silty, soft and black), assoc. chert cream to tan, fresh, subopaque, blocky HW-47u analog, recycled HW-35u)

Miss. Unc. 5229-2711

Is tan and cream to brn fn xln to suboolitic, assoc. chert tan-brn sprd, fresh, opaque and subopaque

Is cream-white fn xln to fn oolitic dn, some sandy and gritty, scattered chalky ls, sparse chert brn, fresh, subopaque, blocky

50

Is cream-white fn-med xln to suboolitic, assoc. dolomite tan vfn sucrosic and vsl oolitic. GOOD SHOWS CLEAR LIVE OIL, SOME GASSY on break, oil sheen thruout, bright spid gold fluor wet and dry, FAST STREAMING CUT, light to faint odor, 5% with hvly spid and some even saturation

Gas Increase: HW-1200u-lBall, recycled HW-325u, HW-340u-Analog, recycled HW-125u (dolomite ls poorly represented in drill cuttings)

CTCH 60 ADST 1

7am Wed 12-7-16
5265-CTCH A/DST 1

CFS-90"

DST 2] 5265-5275 (Miss. Dolo.)

(dolomite ls poorly represented in drill cuttings)

even gold fluor wet and dry, small and fair shows clear live oil, few gassy, spid tan stain with FAST CUT, ONE PC, dolomitized oolitic ls with med-coarse oolites exhibiting well dev. interool. porositiv. dull spid fluor wet and dry, fast cut

(dolomite represented in drill cuttings VERY POOR)

NO SIGNIFICANT GAS INCREASE IN THE INTERVAL 5265-5275 - Background Gas running an average of HW-1300 units

1000

5300

Is cream fn-med oolitic, weathered, chalk 5%, chert lt gry, fresh, subopaque and opaque, fossilif 1-3%

Is cream vfn-med oolitic, lesser ls tan fn xln dn, assoc. chert tan med oolitic, opaque and lt gry, fresh, subopaque, chalk 5%+

CFS-90"

7am Thur. 12-8-16
5331 - TOOH f/Logs

RTD 5331-2813 at 4:46 am Thursday 12-8-16 CFS-90" Drop Survey TOOH F/Logs

DST 1] 5212-5265 (Miss. Dolo.)
[30-60-60-120]
GTS/5" 2nd opening gauge
38.7 MCFG - 64.0 MCFG
REC: 4859' Gas in Pipe
30' Gas Cut Mud
(20% gas, 80% mud)
310' Gassy Oil Cut Mud
(10% gas, 10% oil, 80% mud)
340' - Total Fluid - ALL in Drill Pipe
IFF: 62-88, FFP: 109-190
BHP: 736-731

SHT at 5265 - 1 deg. dev.
Pipe Strap at 5265 - 2.99 long to board
DST 3] 5265-5275 (Miss. Dolo.)
[45-60-60-120]
GTS/14' 2nd open gauging gas
20" thru 60" gauge 20.190 MCFG
Rec: 5081' Gas in Pipe
57' Gassy Oil Cut Mud
(30% gas, 20% oil, 50% mud)
124' Gassy Oil Cut Mud
(10% gas, 20% oil, 70% mud)

181' - Total Fluid - All in Drill Pipe
IFF: 41-51, FFP: 47-83
BHP: 764-763