Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1202746

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5004
Name: Vincent Oil Corporation
Address 1: 155 N MARKET STE 700
Address 2:
City: WICHITA State: KS Zip: 67202 + 1821
Contact Person: M.L. Korphage
Phone: (316) 262-3573
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Ken LeBlanc
Purchaser: None, D&A

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

1/4/2014	1/12/2014	1/13/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-057-20921-00-00
Spot Description:
E2 - W2 - SW - SE Sec. 4 Twp. 26 S. R. 24 ☐ East ☑ West
660 Feet from ☐ North / ☑ South Line of Section
2115 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ford
Lease Name: Lix Well #: 3-4
Field Name: Lix
Producing Formation: None, D&A
Elevation: Ground: 2536 Kelly Bushing: 2548
Total Vertical Depth: 4982 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 314 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: 13000 ppm Fluid volume: 1000 bbls
Dewatering method used: Evaporated

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: 05/02/2014
☑ **Confidential Release Date:** 05/01/2016
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 05/05/2014

1202746

Operator Name: Vincent Oil Corporation Lease Name: Lix Well #: 3-4

Sec. 4 Twp. 26 S. R. 24 ☐ East ☑ West County: Ford

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Micro-log

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name Attached | Top Attached | Datum Attached

CASING RECORD ☑ New ☐ 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
Surface Casing	12.25	8.6250	23	314	Class A	200	2% Gel & 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

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

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

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Lix 3-4
Doc ID	1202746

Tops

Name	Top	Datum
Heebner Shale	4185	(-1637)
Brown Limestone	4281	(-1733)
Lansing	4290	(-1742)
Stark Shale	4604	(-2056)
Pawnee	4812	(-2264)
Cherokee Shale	4857	(-2309)
Base Penn Limestone	4959	(-2411)
Morrow Sand	4976	(-2428)
RTD	4982	(-2434)

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Lix 3-4
Doc ID	1202746

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface Casing	12.25	8.6250	23	314	Class A	200	2% Gel & 3% CC

ALLIED OIL & GAS SERVICES, LLC 061092

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend

DATE 1-4-13	SEC. 4	TWP. 26	RANGE 24	CALLED OUT	ON LOCATION	JOB START 9 AM	JOB FINISH 9:30 PM
LEASE Lex	WELL # 3-4	LOCATION 7N Wright - 2W - Ninn				COUNTY Ford	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Duke 1
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D.
CASING SIZE 8⅝ DEPTH 313'
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15 Ft
PERFS.
DISPLACEMENT 19.04 bbl Fresh water

OWNER

EQUIPMENT

PUMP TRUCK # 398 CEMENTER Josh Isaac
HELPER Andy Fimple
BULK TRUCK # 871-112 DRIVER Kevin Neighbors
BULK TRUCK # DRIVER

CEMENT

AMOUNT ORDERED 200 sks Class A 3%cc 2%gel

COMMON	200	@ 17.90	3580.00
POZMIX		@	
GEL	4	@ 23.40	93.60
CHLORIDE	564	@ .80	451.20
ASC		@	
HANDLING	216.66	@ 2.48	537.31
MILEAGE	9.88 x 40 x	2.60	1.027.52
		TOTAL	5.689.63

REMARKS:

On location - Rig up - held safety meeting - Run 8⅝ casing - Break circulation w/ rig pump 5 bbl fresh water - mix 200 sks Class A 3%cc 2%gel - Displace 19.04 bbl fresh water - shut in - Cement did circulate 9:15 AM - Rig down

SERVICE

DEPTH OF JOB
PUMP TRUCK CHARGE 1512.35
EXTRA FOOTAGE @
MILEAGE Hum 40 @ 7.70 308.00
MANIFOLD @
Hum 40 @ 4.40 176.00
@
TOTAL 1.996.35

CHARGE TO: Vincent Oil
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
@
@
@
@
TOTAL

SALES TAX (If Any)
TOTAL CHARGES 7.685.88
DISCOUNT 1.537.17 IF PAID IN 30 DAYS
6.148.70

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X Mike Godfrey
SIGNATURE X Mike Godfrey

Thank you!!

ALLIED OIL & GAS SERVICES, LLC 061098

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend

DATE 1-12-14	SEC. 4	TWP. 26	RANGE 24	CALLED OUT	ON LOCATION	JOB START 330am	JOB FINISH 4:30 AM
LEASE Lex	WELL # 3-4	LOCATION 7N Wright - 2W - Vinto				COUNTY Ford	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Duke 1
TYPE OF JOB Rotary plug
HOLE SIZE 12¼ T.D.
CASING SIZE 8⅝ DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH 1680
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. All
PERFS.
DISPLACEMENT Fresh water

OWNER

CEMENT

AMOUNT ORDERED 250 sks 60/40 4%gel ¼ Flo

COMMON	150	@ 17.90	2.685.00
POZMIX	100	@ 9.35	935.00
GEL	9	@ 23.40	210.60
CHLORIDE		@	
ASC		@	
Flocel	63	@ 2.97	187.11
HANDLING	267.42	@ 2.48	663.30
MILEAGE	11.23 X 40 X	2.60	1.167.92
		TOTAL	5.848.83

EQUIPMENT

PUMP TRUCK # 366 CEMENTER Josh Isaac
HELPER Ben Nirell
BULK TRUCK # 610-170 DRIVER TNS CJ 6west
BULK TRUCK # DRIVER

REMARKS:

On location - Rig up - had safety meeting
Run 4½ drill pipe - fill hole w/ Rig mud
#1 - 1680 Ft - 50 sks
#2 - 900 - 80 RH - 30 sks
#3 - 350 - 50 MH - 20
#4 - 60 - 20
Plug down 4 AM
Rig down

SERVICE

DEPTH OF JOB 1680
PUMP TRUCK CHARGE 2249.84
EXTRA FOOTAGE @
MILEAGE Hum 40 @ 7.70 308.00
MANIFOLD @
Hum 40 @ 4.40 176.00
@

TOTAL 2.733.84

CHARGE TO: Vincent oil
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
@
@
@
@

TOTAL

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 8.582.67
DISCOUNT 1.716.53 IF PAID IN 30 DAYS
6.866.13

PRINTED NAME X Mike Godfrey
SIGNATURE X Mike Godfrey

Thank You!!

DRILL STEM TEST REPORT

Vincent Oil Corporation

155 N Market Ste 700
Wichita, KS 67202

ATTN: Ken LeBlanc

4-26S-24W Ford

Lix 3-4

Job Ticket: 51916 **DST#: 1**

Test Start: 2014.01.12 @ 03:50:19

GENERAL INFORMATION:

Formation: **Basal Penn**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:42:04
Time Test Ended: 13:10:34

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: 4955.00 ft (KB) To 4982.00 ft (KB) (TVD)
Total Depth: 4982.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

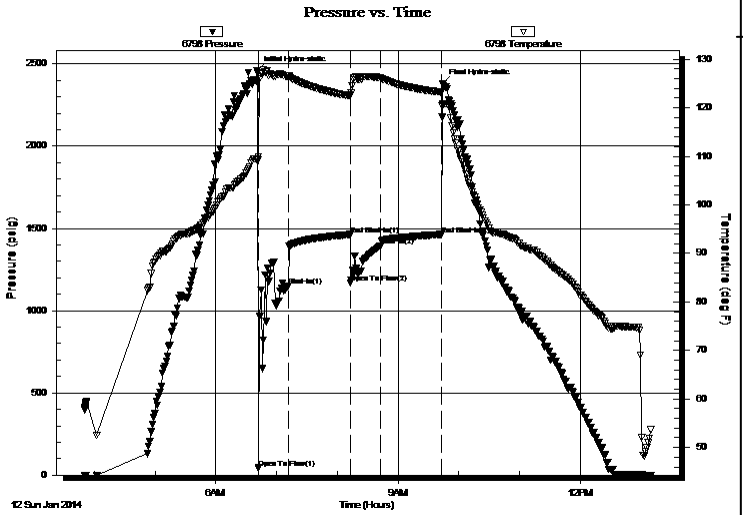
Reference Elevations: 2549.00 ft (KB)
2536.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 1391.28 psig @ 4956.00 ft (KB)
Start Date: 2014.01.12 End Date: 2014.01.12
Start Time: 03:50:20 End Time: 13:10:34

Capacity: 8000.00 psig
Last Calib.: 2014.01.12
Time On Btm: 2014.01.12 @ 06:40:49
Time Off Btm: 2014.01.12 @ 09:44:19

TEST COMMENT: IF: Strong Blow , BOB in 90 seconds
ISI: No Blow Back
FF: Fair Blow , BOB in 5 minutes
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2461.44	109.36	Initial Hydro-static
2	42.15	109.34	Open To Flow (1)
31	1151.94	126.55	Shut-In(1)
92	1462.89	122.49	End Shut-In(1)
93	1169.75	122.61	Open To Flow (2)
122	1391.28	126.23	Shut-In(2)
182	1463.56	123.22	End Shut-In(2)
184	2379.34	120.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1512.00	Water	21.21
504.00	SOMCW 2%O 40%M 58%W	7.07
378.00	OWCM 5%O 45%W 50%M	5.30
266.00	OWCM 5%O 35%W 60%M	3.73

Gas Rates

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

DRILL STEM TEST REPORT

Vincent Oil Corporation

155 N Market Ste 700
Wichita, KS 67202

ATTN: Ken LeBlanc

4-26S-24W Ford

Lix 3-4

Job Ticket: 51916 **DST#: 1**

Test Start: 2014.01.12 @ 03:50:19

GENERAL INFORMATION:

Formation: **Basal Penn**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:42:04
Time Test Ended: 13:10:34

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: 4955.00 ft (KB) To 4982.00 ft (KB) (TVD)
Total Depth: 4982.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

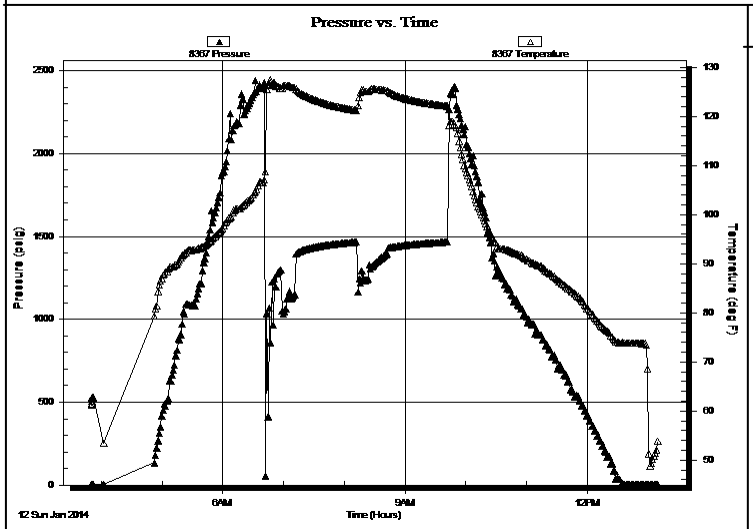
Reference Elevations: 2549.00 ft (KB)
2536.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8367 **Outside**

Press@RunDepth: psig @ 4956.00 ft (KB)
Start Date: 2014.01.12 End Date: 2014.01.12
Start Time: 03:50:20 End Time: 13:10:34

Capacity: 8000.00 psig
Last Calib.: 2014.01.12
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 90 seconds
ISI: No Blow Back
FF: Fair Blow , BOB in 5 minutes
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1512.00	Water	21.21
504.00	SOMCW 2%O 40%M 58%W	7.07
378.00	OWCM 5%O 45%W 50%M	5.30
266.00	OWCM 5%O 35%W 60%M	3.73

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

155 N Market Ste 700
Wichita, KS 67202

ATTN: Ken LeBlanc

4-26S-24W Ford

Lix 3-4

Job Ticket: 51916 **DST#: 1**

Test Start: 2014.01.12 @ 03:50:19

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:	59000 ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.40 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1512.00	Water	21.209
504.00	SOMCW 2%O 40%M 58%W	7.070
378.00	OWCM 5%O 45%W 50%M	5.302
266.00	OWCM 5%O 35%W 60%M	3.731

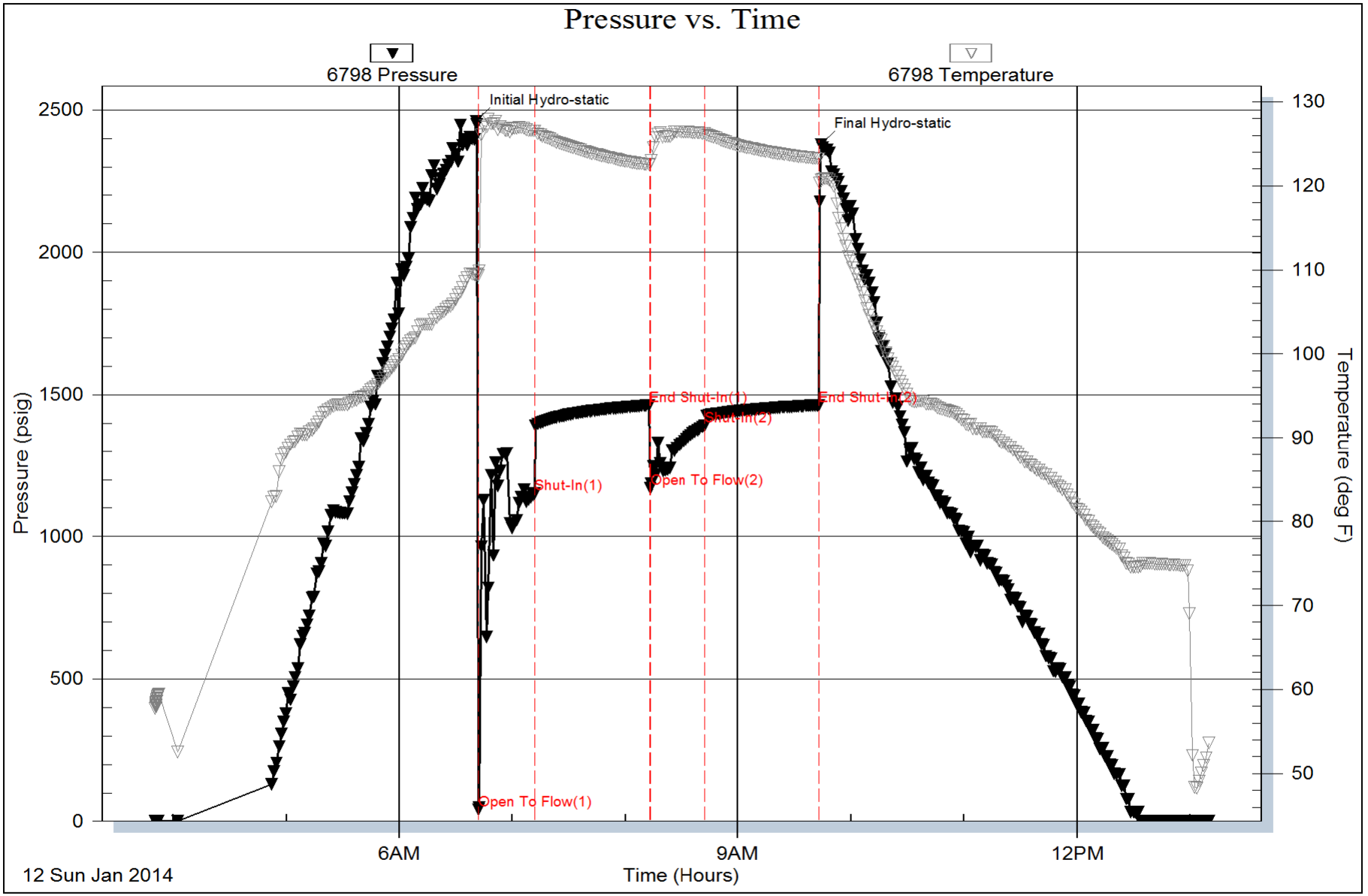
Total Length: 2660.00 ft Total Volume: 37.312 bbl

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

Laboratory Name: Laboratory Location:

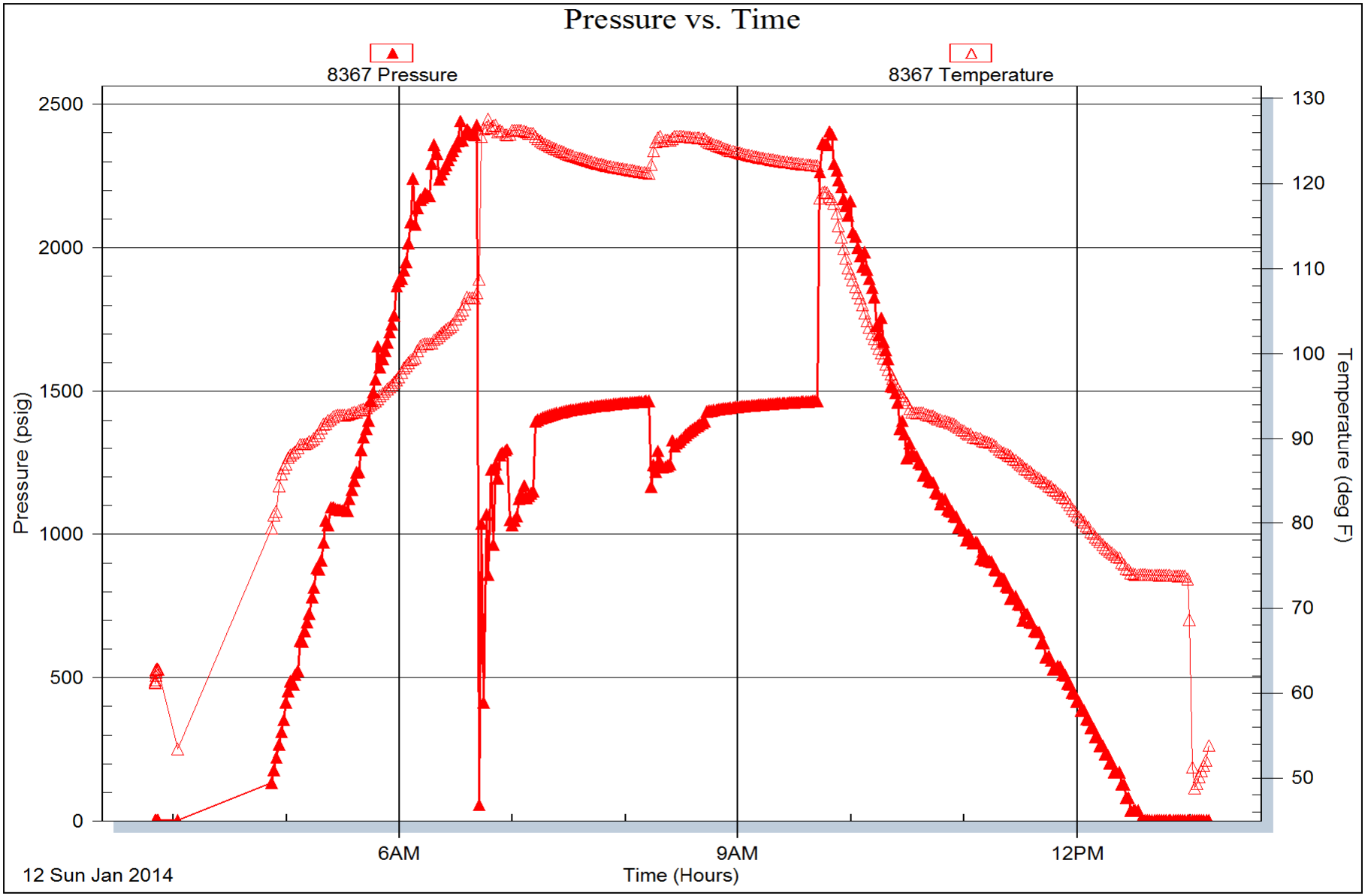
Recovery Comments: RW was .2 @ 45 degrees
180 Feet of sand

Serial #: 6798 **Inside** Vincent Oil Corporation Lix 3-4 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51916 Printed: 2014.01.12 @ 18:29:36

Serial #: 8367 **Outside** Vincent Oil Corporation Lix 3-4 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51916 Printed: 2014.01.12 @ 18:29:36

GEOLOGICAL REPORT

LeBlanc Petroleum Geologist
2349 North Stoneybrook Court
Wichita, Kansas 67226-3604
(316)-630-0195

COMPANY	Vincent Oil Corp. (5004)
LEASE	Lix 3-4
FIELD	
LOCATION	660 FSL & 2115 FEL
SECTION	4 TOWNSHIP 26S RANGE 24W
COUNTY	Ford STATE Kansas
CONTRACTOR	Duke Drlg Rig (5929)
COMMENCED DRILLING	Friday, 1-3-2014
COMPLETED DRILLING	Sat. 1-11-2014
RTD	4982 FEET LTD 4982 FEET
MUD UP AT	3792 FEET MUD TYPE Chemical
API	15-057-20921
ELEVATIONS	KB 2548 FEET; DF 2546 FEET; GL 2536 FEET
MEASUREMENTS ARE ALL FROM	KB
CASING	8 5/8" at 314'
	Plug & Abandon
ELOG SUITES	Microlog (No other Suites)

SAMPLES SAVED FROM 4100 FEET TO 4982 FEET
DRILLING TIME KEPT FROM 4050 FEET TO 4982 FEET
SAMPLES EXAMINED FROM 4100 FEET TO 4982 FEET
GEOLOGICAL SUPERVISION FROM 4250 FEET TO 4982 FEET

NOTES: Mud system - Mud-Co, Surf csg cmt - Allied Cmt, Water: Nuell, Fuel: Best Hoa Oil, DST's - Trilobite Tstg, Open hole logs - Nabors WL Svc.

CORES - None.

Remarks: The Vincent Oil Corp. Lix 3-4 was drilled to a RTD of 4982 within the Basal Penn Sand. The Lix 3-4 was drilled as a replacement well for the Lix 1-4, which penetrated the Bpenn sand reaching to within the Miss. Unc. Extreme perm within the Penn sand has plugged in many cases a commercial completion (see 180' sand recovered on DST 1). This attempt failed as rapid drainage affected the borehole at the Lix 3-4 (see DST1 results).

Daily Penetration

Date 7AM	Depth
1-3-14	MIRT Rig up, Spud 1:30AM
1-4-14	345', Set 8 5/8" at 314'
1-5-14	Drlg 810'
1-6-14	Drlg 2071'
1-7-14	Drlg 2755'
1-8-14	Drlg 3390'
1-9-14	Drlg 4000'
1-10-14	Drlg 4530
1-11-14	4830 CFS, Pawnee ST, Bostings; RTD 4982 at 9:45pm 1-11-14; CFS ST, TOOH
1-12-14	4982 - DST 1

Bit Record

Number	Size	Make	Type	Depth Out	Feet	Hours
1	12 1/4	Varel		334	334	2 1/2
2	7 7/8	Varel	HE21	4982	4648	125 1/2
TOTAL BIT HOURS →				4982		127 1/2

General Information

Ran 7 jts 8 5/8" - 23# surf csg to 314', Cmtd w/200 sx class A (2% gel + 3% CC) PD 9:30AM 1-4-14, Cmt did circ. By Allied Cmt Co.

Rig make: Ideco H35 DBL, steel pits
Power: Cat 3406
D.P. 4 1/2" XH, Wt 16.6#, OD 6 1/4", ID 2 1/4"
DC: 18 - length 473.26, OD 6 1/4, ID 2 1/4"
Pump: Ideco MM 700, Liners 5 1/2", Stroke 16
Power: Cat D-3406
Rig power: Detroit Diesel Series 60

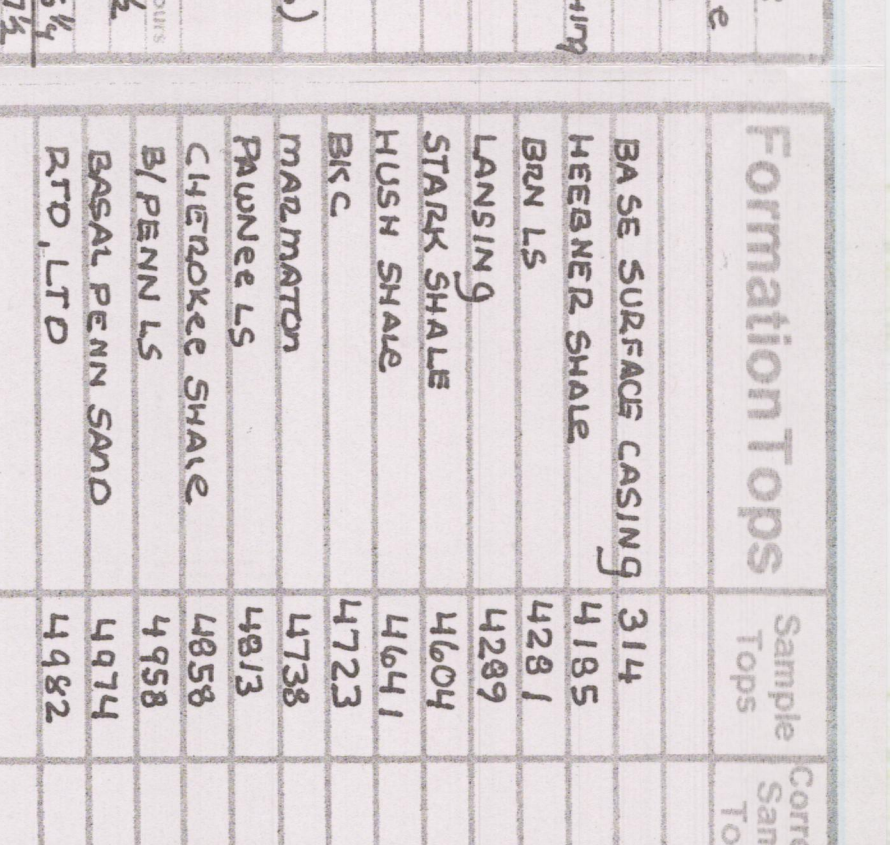
Aug. penetration rate: 0-RTD 39.07 FPH

Tool pusher: Mike Godfrey

Formation Tops

	Sample Tops	Corrected Sample Tops	Electric Log Tops	Subsea Datums
Base Surface Casing	314		314	
Heebner Shale	4185		4185	-1637
Brn LS	4281		4281	-1733
Lansing	4289		4290	-1742
Stark Shale	4604		4604	-2056
Hush Shale	4641		4641	-2093
BKC	4723		4721	-2173
Marmaton	4738		4738	-2190
Pawnee LS	4813		4812	-2264
Cherokee Shale	4858		4857	-2309
B/Penn LS	4958		4959	-2411
Basal Penn Sand	4974		4976	-2428
RTD, LTD	4982		4982	-2434

Reference Well: Voc Lix 1-4, 320 FSL, 2140 FEL, 4-26S-24W



SEC. 4-T26S-R24W
FORD COUNTY, KANSAS

DST 1) 4955 - 4982

(Basal Penn Sand)

Times: 30-60-30-60

1st open: strong blow OBOB in 90 seconds - NO Gas to Surface
(bled off - NO blowback)

2nd open: blow OBOB in 5 minutes - NO Gas to Surface
(bled off - NO blowback)

Rec: NO Gas in Pipe

266' Oily Water Cut Mud
(5% oil, 35% water, 60% mud)

378' Oily Water Cut Mud
(5% oil, 45% water, 50% mud)

504' Slightly Oil and Mud Cut Water
(2% oil, 58% water, 40% mud)

1512' Water (100% water)

180' SAND (Unconsolidated loose qtz grains)
2660' Total Fluid - ALL IN DRILL PIPE

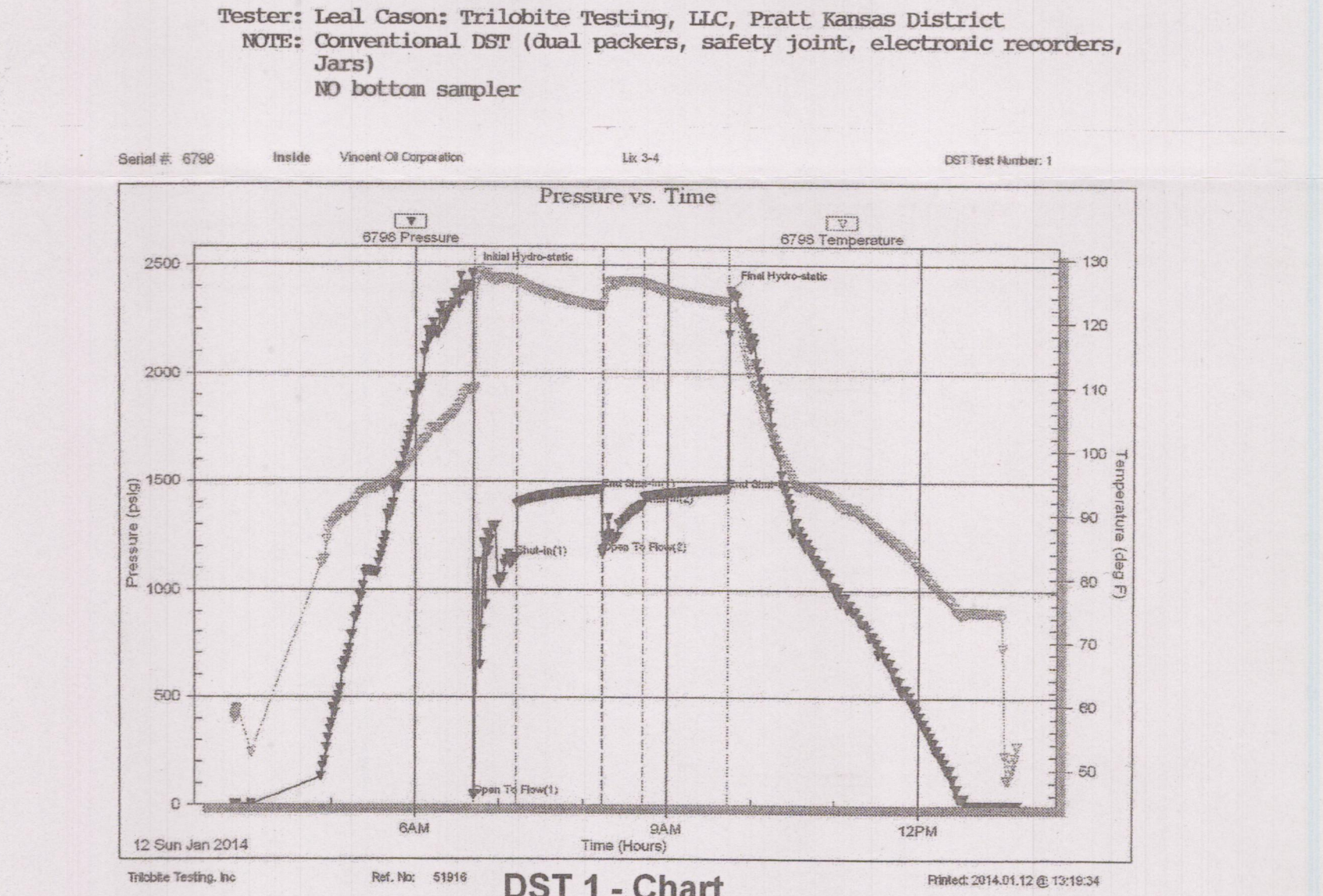
chlorides of mud system: 3,000 ppm
chlorides of formation water: 50,000 ppm
resistivity of formation water: 0.02 at 45 deg. F

(Electronic Recorders)

IHYD: 2461 psig
IFP: 42-1152 psig
IBHP: 1463 psig
FFP: 117-1391 psig
FBHP: 1464 psig
FHYD: 2379 psig

TEMP: 123 degrees

Tester: Leal Cason: Trilobite Testing, LLC, Pratt Kansas District
NOTE: Conventional DST (dual packers, safety joint, electronic recorders, Jars)
NO bottom sampler



DST 1 - Chart