Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1202991

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 # 3882
Name: Samuel Gary Jr. & Associates, Inc.
Address 1: 1515 WYNKOOP, STE 700
Address 2:
City: DENVER State: CO Zip: 80202 + _ _ _ _
Contact Person: DAN PRITCHARD
Phone: (303) 831-4673
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: JORDAN NEWSOM
Purchaser:

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 #:

1/13/2014	1/19/2014	1/19/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26655-00-00
Spot Description:
NW SW NW SW Sec. 14 Twp. 12 S. R. 17 ☐ East ☑ West
1850 Feet from ☐ North / ☑ South Line of Section
170 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: Ellis
Lease Name: VFM HOLDING CO ET AL Well #: 1-14
Field Name:
Producing Formation: N/A
Elevation: Ground: 2127 Kelly Bushing: 2135
Total Vertical Depth: 3774 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1030 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: 71000 ppm Fluid volume: 480 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: KARLIN, GENE DBA GENE KARLIN COMPANY
Lease Name: NUSS 1 License #: 3444
Quarter SW Sec. 5 Twp. 13 S. R. 17 ☐ East ☑ West
County: ELLIS Permit #: D25588

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: 05/05/2014
☑ **Confidential Release Date:** 05/04/2016
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 05/06/2014

1202991

Operator Name: Samuel Gary Jr. & Associates, Inc. Lease Name: VFM HOLDING CO ET AL Well #: 1-14

Sec. 14 Twp. 12 S. R. 17 ☐ East ☑ West County: Ellis

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:

Attached

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

Name	Top	Datum
TOPEKA	3100	-965
HEEBNER	3340	-1205
LANSING	3386	-1251
ARBUCKLE	3672	-1537
TD	3774	

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	12.25	8.625	23	1030	COMMON CLASS A	400	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	Samuel Gary Jr. & Associates, Inc.
Well Name	VFM HOLDING CO ET AL 1-14
Doc ID	1202991

All Electric Logs Run

DIL
MICRO
POR
SONIC
SPECTRAL

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	VFM HOLDING CO ET AL 1-14
Doc ID	1202991

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	12.25	8.625	23	1030	COMMON CLASS A	400	2% GEL, 3% CC

Date: 1/14/2014
Invoice # 7051

P.O.#:

Due Date: 2/13/2014
Division: *Russell*

QUALITY OILWELL CEMENTING, INC.
PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone:785-324-1041 fax:785-483-1087
Email: cementing@ruraltel.net

Invoice

Contact:
Samuel Gary Jr & Associates Inc
Address/Job Location:
Samuel Gary Jr & Associates Inc
1815 11th Street
Great Bend, KS 67530

RECEIVED
JAN 22 2014
SAMUEL GARY JR. & ASSOCIATES, INC.

☐ DIV ☐ COMP ☐ W/O ☐ LOE ☐ GG

Account	8200.138
Prospect	
Deck	
AFE	
Approval	

Reference:
VFM HOLDING CO ET AL 1-14

Description of Work:
LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		$ 1,020.55	No				
Common-Class A	400	$ 6,705.88	Yes				
Bulk Truck Matl-Material Service Charge	422	$ 943.29	No				
Calcium Chloride	14	$ 870.92	Yes				
8 5/8" Basket	2	$ 706.35	Yes				
Pump Truck Mileage-Job to Nearest Camp	17	$ 189.62	No				
Premium Gel (Bentonite)	8	$ 145.56	Yes				
8 5/8" Centralizer	2	$ 143.06	Yes				
8 5/8" Top Rubber Plug	1	$ 118.47	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	17	$ 110.96	No				
Baffle Plate Aluminum, 8 5/8"	1	$ 100.59	Yes				

Invoice Terms:
Net 30

SubTotal:	$	*11,055.25*
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:	$	(1,658.29)
SubTotal for Taxable Items:	$	7,472.21
SubTotal for Non-Taxable Items:	$	1,924.76
Total:	$	9,396.96
6.15% Ellis County Sales Tax Tax:	$	459.54
Amount Due:	**$**	**9,856.50**
Applied Payments:		
Balance Due:	**$**	**9,856.50**

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7051

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-14-14	14	12	17	Ellis	KS		7:15 PM

Location Codel + Buckeye Rd 1/4 N E into

Lease VFM Holding Co Et Al Well No. 1-14

Contractor Discovery #2

Type Job Surface

Hole Size 12 1/4 T.D. 1030'

Csg. 8 5/8 Depth 1030'

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 41.59 Shoe Joint 41.59

Meas Line Displace 62 3/4 bbl

EQUIPMENT

Pumptrk 18 No. Cementer / Helper Cody

Bulktrk 4 No. Driver / Driver Chad

Bulktrk PU No. Driver / Driver Brett

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Cement Circulated!!

X Signature

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Samuel Gary Jr

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 400 com 3% cc 2% Gel

Common 400

Poz. Mix

Gel. 8

Calcium 14

Hulls

Salt

Flowseal

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling 422

Mileage

8 5/8 **FLOAT EQUIPMENT**

Guide Shoe

Centralizer 2

Baskets 2

AFU Inserts

Float Shoe

Latch Down 1 Rubber plug
1 Baffle plate

Pumptrk Charge Long Surface

Mileage 17

Tax

Discount

Total Charge

QUALITY OILWELL CEMENTING, INC.
PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone:785-324-1041 Fax:785-483-1087
Email: cementing@ruraltel.net

Date:
Invoice # 7596
P.O.#:
Due Date:
Division: *Russell*

Invoice

Contact:
Samuel Gary Jr & Associates Inc
Address/Job Location:
Samuel Gary Jr & Associates Inc
1815 11th Street
Great Bend, KS 67530

RECEIVED
JAN 27 2014
SAMUEL GARY JR.
& ASSOCIATES, INC.

☐ DRLG ☐ COMP ☐ W/O ☐ LOE ☐ GG

Account	8200.145
Well/Prospect	VFM Holding C4
Deck	0401-14
AFE	
Approval	
Description	

Reference: ✓

Description of Work:

Services / Items Included:

	Quantity		Price	Taxable
Labor		$	1,020.55	Yes
Common-Class A	150	$	2,514.71	Yes
Bulk Truck Matl-Material Service Charge	259	$	578.94	Yes
Pump Truck Mileage-Job to Nearest Camp	17	$	189.62	Yes
Premium Gel (Bentonite)	9	$	163.76	Yes
Flo Seal	62	$	138.59	Yes
Bulk Truck Mileage-Job to Nearest Bulk Plant	17	$	110.96	Yes
Dry Hole Plug	1	$	62.59	Yes
4 1/2" Top Rubber Plug	1	$	42.47	Yes

Item	Quantity	Price	Taxable

Invoice Terms:
Net 30

SubTotal:	$	*4,822.18*
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:	$	(723.33)
SubTotal for Taxable Items:	$	4,098.85
SubTotal for Non-Taxable Items:	$	-
Total:	$	4,098.85
6.15% Ellis County Sales Tax Tax:	$	252.08
Amount Due:	**$**	**4,350.93**
Applied Payments:		
Balance Due:	**$**	**4,350.93**

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 7596

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-19-14	14	12	17	Ellis	Ks		10:45 PM

VFM Holding Co ET AL — Location: Codell Rd + Buckeye Rd – 1/4 N, E/Into

Lease — Well No. 1-14 — Owner

Contractor: Discovery #2

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job: Plug

Hole Size: 7 7/8" — T.D.: 3775'

Charge To: Samuel Gary Jr. + Associates

Csg. — Depth

Street

Tbg. Size: 4 1/2" D.P. — Depth: 3652'

City — State

Tool — Depth

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. — Shoe Joint

Cement Amount Ordered: 250 sx 60/40 4% Gel 1/4# Flo-seal per sk

Meas Line — Displace: H2O/mud

EQUIPMENT

	No.		
Pumptrk 16		Cementer	Billy
		Helper	
Bulktrk 3		Driver	Lonnie M.
		Driver	
~~Bulktrk~~ p.u.		Driver	Rick
		Driver	

JOB SERVICES & REMARKS

Remarks: 3652' – 50 sx

Rat Hole 1350' – 25 sx

Mouse Hole 1075' – 40 sx

Centralizers 750' – 80 sx

Baskets 40' – 10 sx w/plug

D/V or Port Collar Rathole w/30 sx

Mousehole w/15 sx

Cement did Circulate.

Common	150
Poz. Mix	100
Gel.	9
Calcium	
Hulls	
Salt	
Flowseal	62#
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	259
Mileage	

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

1 - Dry hole plug

Pumptrk Charge plug

Mileage 17

Tax

Discount

Total Charge

X Signature: [illegible]

Quality Oilwell Cementing

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates Inc

1515 Wynkoop STE 600
Denver CO, 80202

ATTN: Clayton Camozzi

14-12s-17w Ellis KS

VFM Holding Co et al

Job Ticket: 56056 **DST#: 1**

Test Start: 2014.01.18 @ 08:24:00

GENERAL INFORMATION:

Formation: **LKC "I-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:44:30
Time Test Ended: 16:01:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 73

Interval: 3530.00 ft (KB) To 3570.00 ft (KB) (TVD)
Total Depth: 3570.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

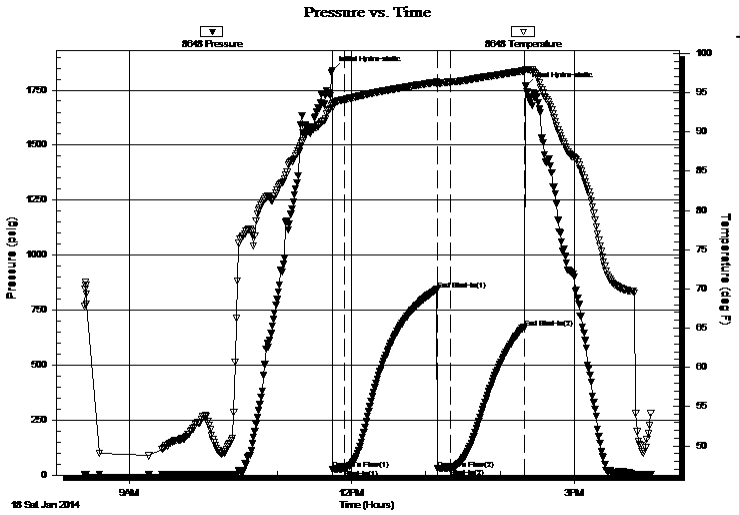
Reference Elevations: 2135.00 ft (KB)
2127.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8648 **Outside**

Press@RunDepth: 30.14 psig @ 3567.00 ft (KB)
Start Date: 2014.01.18 End Date: 2014.01.18
Start Time: 08:24:05 End Time: 16:01:44

Capacity: 8000.00 psig
Last Calib.: 2014.01.18
Time On Btm: 2014.01.18 @ 11:44:15
Time Off Btm: 2014.01.18 @ 14:20:45

TEST COMMENT:
10 - IF- 1/2" blow
75 - ISI- No return
10 - FF- No blow
60 - FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.29	93.63	Initial Hydro-static
1	24.41	93.00	Open To Flow (1)
10	28.56	94.10	Shut-In(1)
85	843.99	96.33	End Shut-In(1)
86	28.23	96.05	Open To Flow (2)
96	30.14	96.37	Shut-In(2)
156	668.64	97.75	End Shut-In(2)
157	1767.88	97.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	100%M - show of oil	0.01

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Samuel Gary Jr & Associates Inc

1515 Wynkoop STE 600
Denver CO, 80202

ATTN: Clayton Camozzi

14-12s-17w Ellis KS

VFM Holding Co et al

Job Ticket: 56056 **DST#: 1**

Test Start: 2014.01.18 @ 08:24:00

GENERAL INFORMATION:

Formation: **LKC "I-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:44:30
Time Test Ended: 16:01:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 73

Interval: 3530.00 ft (KB) To 3570.00 ft (KB) (TVD)
Total Depth: 3570.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

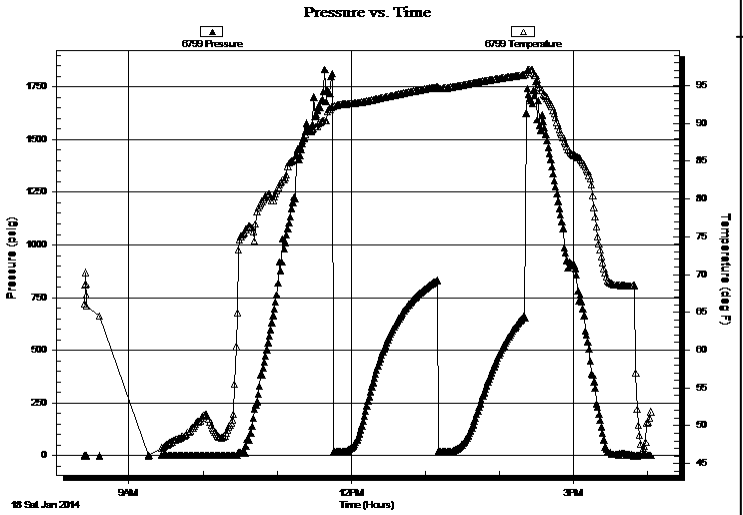
Reference Elevations: 2135.00 ft (KB)
2127.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6799 **Inside**

Press@RunDepth: psig @ 3567.00 ft (KB)
Start Date: 2014.01.18 End Date: 2014.01.18
Start Time: 08:24:05 End Time: 16:03:14

Capacity: 8000.00 psig
Last Calib.: 2014.01.18
Time On Btm:
Time Off Btm:

TEST COMMENT:
10 - IF- 1/2" blow
75 - ISI- No return
10 - FF- No blow
60 - FSI- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	100%M - show of oil	0.01

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Samuel Gary Jr & Associates Inc

1515 Wynkoop STE 600
Denver CO, 80202

ATTN: Clayton Camozzi

14-12s-17w Ellis KS

VFM Holding Co et al

Job Ticket: 56056 **DST#: 1**

Test Start: 2014.01.18 @ 08:24:00

GENERAL INFORMATION:

Formation: **LKC "I-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:44:30
Time Test Ended: 16:01:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 73

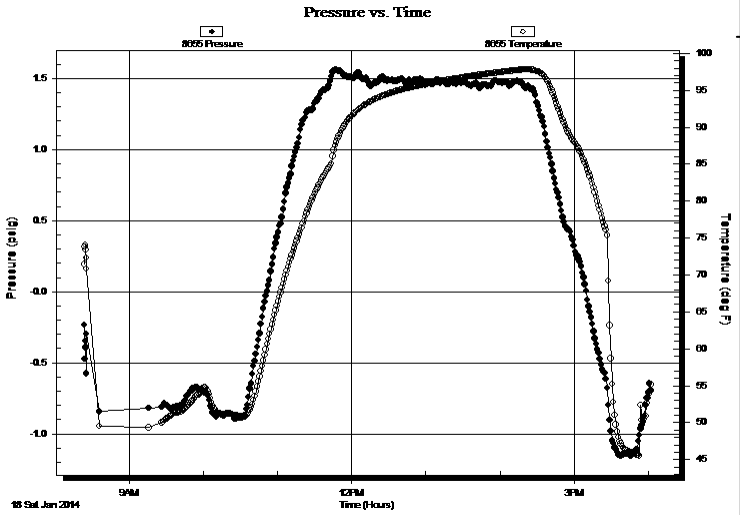
Interval: 3530.00 ft (KB) To 3570.00 ft (KB) (TVD)
Total Depth: 3570.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2135.00 ft (KB)
2127.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8655 **Fluid**

Press@RunDepth:	psig @	3495.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2014.01.18	End Date:	2014.01.18	Last Calib.:	2014.01.18
Start Time:	08:24:05	End Time:	16:01:44	Time On Btm:	
				Time Off Btm:	

TEST COMMENT:
10 - IF- 1/2" blow
75 - ISI- No return
10 - FF- No blow
60 - FSI- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	100%M - show of oil	0.01

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates Inc

1515 Wynkoop STE 600
Denver CO, 80202

ATTN: Clayton Camozzi

14-12s-17w Ellis KS

VFM Holding Co et al

Job Ticket: 56056 **DST#: 1**

Test Start: 2014.01.18 @ 08:24:00

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:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2250.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	100%M - show of oil	0.015

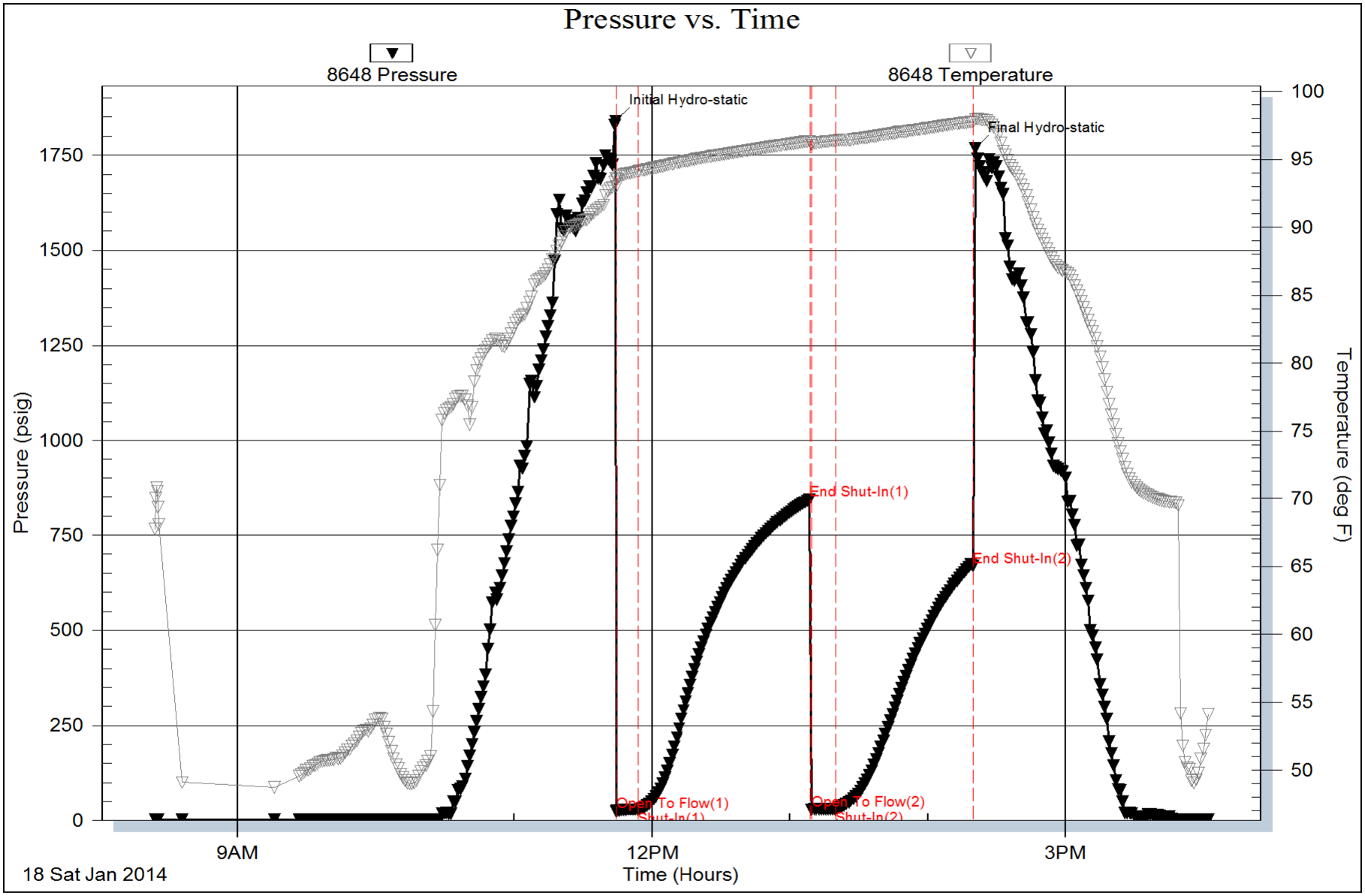
Total Length: 3.00 ft Total Volume: 0.015 bbl

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

Laboratory Name: Laboratory Location:

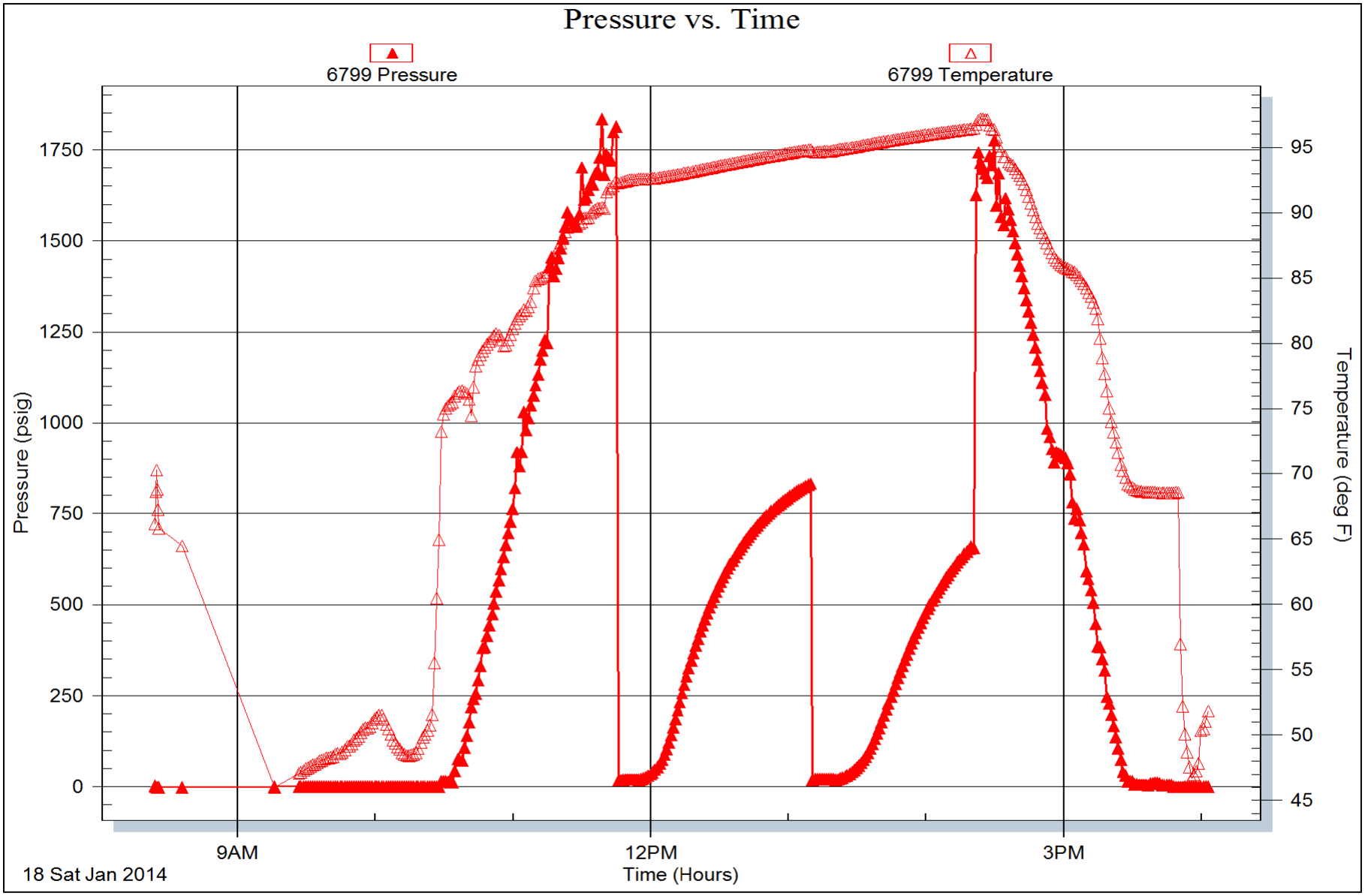
Recovery Comments: Sampler - No pressure, but had thick mud in it. got 100ml out of it. spots of oil with the mud.

Serial #: 8648 **Outside** Samuel Gary Jr & Associates Inc VFM Holding Co et al DST Test Number: 1



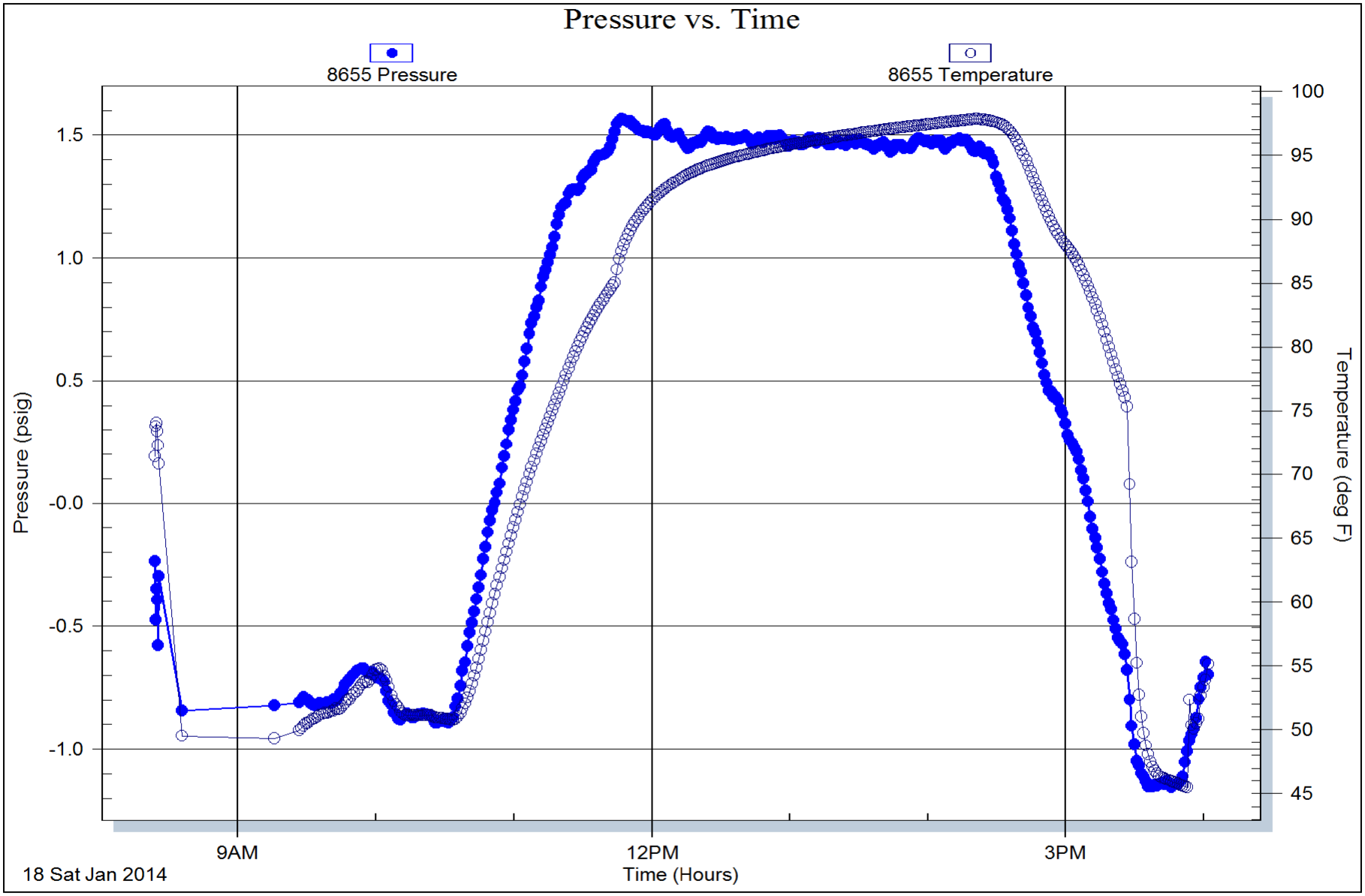
Trilobite Testing, Inc Ref. No: 56056 Printed: 2014.01.18 @ 16:16:30

Serial #: 6799 **Inside** Samuel Gary Jr & Associates Inc VFM Holding Co et al DST Test Number: 1



Trilobite Testing, Inc Ref. No: 56056 Printed: 2014.01.18 @ 16:16:30

Serial #: 8655 **Fluid** Samuel Gary Jr & Associates Inc VFM Holding Co et al DST Test Number: 1



Trilobite Testing, Inc Ref. No: 56056 Printed: 2014.01.18 @ 16:16:30

EARTH TECH (NZ) LIMITED

WELL NAME: 1
LOCATION: NZ - TASMAN
PROJECT: NZ - TASMAN
THE AND TASMAN OFFSHORE, TASMAN OPERATIONS

COMPANY: ENERGY NZ LIMITED
WELL: 1
FIELD: TASMAN OFFSHORE, TASMAN OPERATIONS
COUNTRY: NEW ZEALAND
LOCATION: TASMAN OFFSHORE, TASMAN OPERATIONS
ELEVATION: KB: 0.00 m, DF: 0.00 m, GL: 0.00 m, MSL: 0.00 m
DATE: 1-Jan-1900
TIME: 00:00:00 - 00:00:00
DEPTH: 0.00 m - 0.00 m
DATUM: KB
DATUM ELEVATION: 0.00 m
DATUM OFFSET: 0.00 m
DATA SOURCE: Unknown
DATA TYPE: Unknown
DATA STATUS: Unknown
DATA SPACING: Unknown
DATA QUALITY: Unknown

Depth Scale: 1:200

Log Curves

Curve	Color	Scale
CALI		6.00 - 16.00
GR		0.00 - 150.00
RDEP		0.20 - 2000.00
RMED		0.20 - 2000.00
RSHA		0.20 - 2000.00
DT		140.00 - 40.00
DTS		240.00 - 80.00
NPHI		0.45 - -0.15
RHOB		1.95 - 2.95
DRHO		0.45 - -0.15
PEF		0.00 - 10.00
SP		0.00 - 100.00
CGR		0.00 - 150.00
THOR		0.00 - 20.00
POTA		0.00 - 0.40
URAN		0.00 - 20.00

Lithology Legend

Color	Lithology
	Sandstone
	Limestone
	Dolomite
	Shale
	Coal
	Salt
	Anhydrite
	Gypsum
	Chert
	Granite
	Basalt
	Tuff
	Volcanic Glass
	Unknown

Log Curves

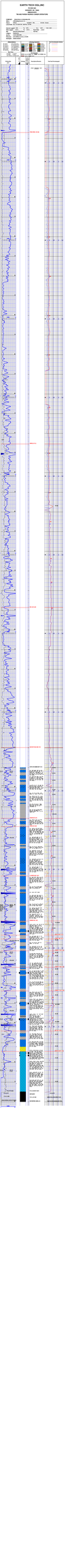
Curve	Color
CALI	
GR	
RDEP	
RMED	
RSHA	
DT	
DTS	
NPHI	
RHOB	
DRHO	
PEF	
SP	
CGR	
THOR	
POTA	
URAN	

Depth Scale 1:200

Depth Track

Lithostratigraphy

Log Curves


Top Tasman Group
Top Tasman Group
Top Tasman Group