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 # 5822
Name: Val Energy, Inc.
Address 1: 125 N MARKET ST STE 1110
Address 2:
City: WICHITA State: KS Zip: 67202 + 1728
Contact Person: Dustin Wyer
Phone: (316) 263-6688
CONTRACTOR: License # 34484
Name: Fossil Drilling, Inc.
Wellsite Geologist: David Barker
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 #:

10/7/2019	10/16/2019	10/16/2019
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-007-24360-00-00
Spot Description:
E2 - SW - SW - NE Sec. 29 Twp. 30 S. R. 12 ☐ East ☑ West
2310 Feet from ☑ North / ☐ South Line of Section
2060 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: Barber
Lease Name: MCKAY Well #: 1-29
Field Name:
Producing Formation: Dry Hole
Elevation: Ground: 1739 Kelly Bushing: 1751
Total Vertical Depth: 4803 Plug Back Total Depth: 4803
Amount of Surface Pipe Set and Cemented at: 347 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: 44000 ppm Fluid volume: 1800 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: VAL Energy
Lease Name: Lucille Spicer License #: 5822
Quarter SE Sec. 33 Twp. 30 S. R. 12 ☐ East ☑ West
County: Barber Permit #: D31358

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: 12/31/2019
☐ **Confidential Release Date:** 12/30/2021
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 01/02/2020

Page Two

Operator Name: Val Energy, Inc. Lease Name: MCKAY Well #: 1-29

Sec. 29 Twp. 30 S. R. 12 ☐ East ☑ West County: Barber

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

Geologist Report / Mud Logs ☑ Yes ☐ No

List All E. Logs Run:
Attached

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

Name	Top	Datum
Stark	4138	-2387
Marmaton	4257	-2506
Miss	4297	-2546
Kinderhook	4438	-2687

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	24	345	Common	225	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	-			
	-			

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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL: Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*		

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
TUBING RECORD:	Size:	Set At:	Packer At:		

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Val Energy, Inc.
Well Name	MCKAY 1-29
Doc ID	1486635

All Electric Logs Run

Sonic
Induction
Neutron
Micro

Form	ACO1 - Well Completion
Operator	Val Energy, Inc.
Well Name	MCKAY 1-29
Doc ID	1486635

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	24	345	Common	225	2%gel 3%cc

Quality Well Service, Inc.

Invoice

PO Box 468
Pratt, KS 67124

Date	Invoice #
10/9/2019	C-2155

Bill To
VAL Energy Inc. 125 N. Market, Ste. 1710 Wichita, KS 67202

P.O. No.	Terms	Lease Name
		McKay #1-29

Description	Qty	Rate	Amount
Common	225	15.50	3,487.50
Gel	423	0.22	93.06
Calcium	635	1.20	762.00
SFC 0-500'	1	600.00	600.00
Handling	242	2.10	508.20
.08 * sacks * miles	6,050	0.08	484.00
Service Supervisor	1	150.00	150.00
LMV	25	3.75	93.75
Heavy Equipment Mileage	50	8.00	400.00
Customer Discount		-1,644.62	-1,644.62
Discount Expires after30 days from the date of the invoice		0.00	0.00
McKay #1-29			
Barber Co.			

Thank You for your business!

Subtotal	$4,933.89
Sales Tax (7.5%)	$0.00
Total	$4,933.89

QUALITY WELL SERVICE, INC.

7236

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

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 10-8-19	29	30S	12W	Barber	Ks		

Lease McKay | Well No. 1-29 | Location Elm Mills: 281 1/2 W to Minnona Rd

Contractor Fossil Drlg Rig #3

Owner 2.1 S to Park Rd 1.7 E .2 SE into

Type Job 8 5/8

Hole Size 12 1/4 | T.D. 349'

Csg. 8 5/8 24# | Depth 347'

Tbg. Size | Depth

Tool | Depth

Cement Left in Csg. 20 | Shoe Joint 20

Meas Line | Displace 20.8

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.

Charge To VAL ENERGY INC.

Street

City | State

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

Cement Amount Ordered 225 sx Common 2% Gel 3% CC 1/2# PS

EQUIPMENT

Pumptrk 8	No.	
Bulktrk 15	No.	
Bulktrk	No.	
Pickup	No.	

JOB SERVICES & REMARKS

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Run 8 Jts 8 5/8 24# CSG SET @ 347'
START CSG CSG on Bottom
Hook up to CSG & Break circ w/RIG
Pump 10 Bbls H2O
Mix & Pump 225 sx Common
2% Gel 3% CC 1/2# PS @ 14.8#/GAL
Disp 20.8 Bbls H2O
Close Valve on CSG
150#
Good circ thru JOB
Circ CMT TO Pit

Thank you
Please Call Again
Tony & Jake

X Signature Richard A. Lamy

Common 225 sx	
Poz. Mix	
Gel. 423#	
Calcium 635#	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling 242	
Mileage 25 /1050	
FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
SERVICE SUPV 1 EA	
LMV 25	
Pumptrk Charge Surface	
Mileage 50	
Tax	
Discount	
Total Charge	

Taylor Printing, Inc.

Quality Well Service, Inc.

Invoice

PO Box 468
Pratt, KS 67124

Date	Invoice #
10/22/2019	C-2168

Bill To
VAL Energy Inc. 125 N. Market, Ste. 1710 Wichita, KS 67202

P.O. No.	Terms	Lease Name
		McKay #1-29

Description	Qty	Rate	Amount
Common	132	15.50	2,046.00T
Poz	88	9.50	836.00T
Gel	757	0.22	166.54T
Plug	1	950.00	950.00T
Handling	228	2.10	478.80T
.08 * sacks * miles	5,700	0.08	456.00T
Service Supervisor	1	150.00	150.00T
LMV	25	3.75	93.75T
Heavy Equipment Mileage	50	8.00	400.00T
Customer Discount		-1,394.27	-1,394.27
Discount Expires after30 days from the date of the invoice		0.00	0.00
McKay #1-29			
Barber Co.			

Thank You for your business!

Subtotal	$4,182.82
Sales Tax (7.5%)	$313.71
Total	$4,496.53

QUALITY WELL SERVICE, INC.

7241

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

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 10-16-19	~~28~~ 29	30S	12W	Barber	Ks		

Lease McKay | Well No. 1-29 | Location ELM Mills .5W to Mingona Rd

Contractor Fosill Drlg #3

Owner 2 S to Park Rd 1.7 to Red Cattle Pins N.E into

Type Job PTA | ~~4303~~

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. 4803

Csg. 4 1/2 DP | Depth 4740'

Charge To VAL ENERGY INC.

Tbg. Size | Depth

Street

Tool | Depth

City | State

Cement Left in Csg. | Shoe Joint

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

Meas Line | Displace

Cement Amount Ordered 220 sx 60/40 4% Gel

EQUIPMENT

Pumptrk 8	No.		
Bulktrk 10	No.		
Bulktrk	No.		
Pickup	No.		

JOB SERVICES & REMARKS

Rat Hole 30 sx
Mouse Hole 20 sx
Centralizers
Baskets
D/V or Port Collar
1st Plug @ 4740' 50 sx 60/40 4% Gel
Pump H2O
Mix & Pump 50 sx 60/40 4% Gel
Disp H2O
Disp mud
2nd Plug 720' 50 sx 60/40 4% Gel
Pump H2O
Mix & Pump 50 sx 60/40 4% Gel
Disp H2O
3rd Plug 390' 50 sx 60/40 4% Gel
Pump H2O
Mix & Pump 50 sx 60/40 4% Gel
Disp H2O
THANK YOU
PLEASE CALL AGAIN
TOO TJ JAKE

Common	132 sx
Poz. Mix	88 sx
Gel.	757 #
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	223
Mileage	25 / 5.700

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Service Supv	
LMV	25
Pumptrk Charge	PTA
Mileage	50
Tax	
Discount	
Total Charge	

X Signature Richard A. Lange

Taylor Printing, Inc.

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Val Energy Inc LLC

125 N Market St Ste 1110
Wichita, Ks. 67202

ATTN: David Barker

29-30s-11w Barber Co. Ks.

McKay 1-29

Job Ticket: 64948 **DST#: 1**

Test Start: 2019.10.12 @ 04:30:15

GENERAL INFORMATION:

Formation: **Bern Limestone**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:33:45
Time Test Ended: 12:39:15

Test Type: Conventional Straddle (Initial)
Tester: Matt Smith
Unit No: 68

Interval: 3063.00 ft (KB) To 3091.00 ft (KB) (TVD)
Total Depth: 3104.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

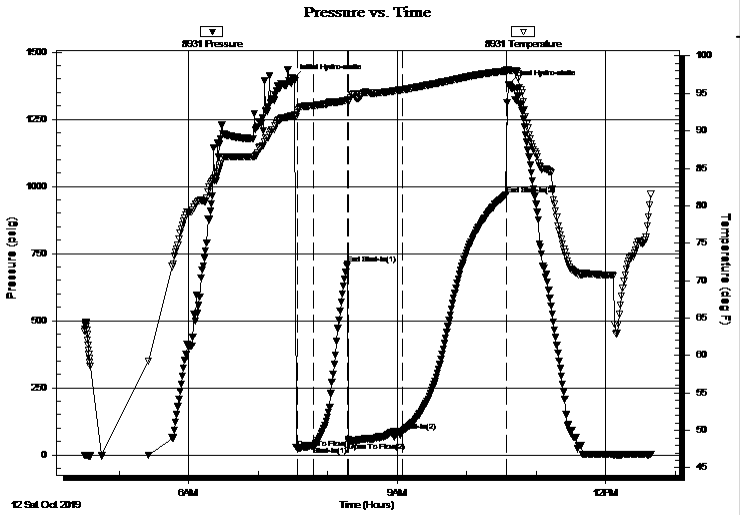
Reference Elevations: 1751.00 ft (KB)
1739.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8931 **Inside**

Press@RunDepth: 89.08 psig @ 3090.00 ft (KB)
Start Date: 2019.10.12 End Date: 2019.10.12
Start Time: 04:30:20 End Time: 12:39:14

Capacity: 8000.00 psig
Last Calib.: 2019.10.12
Time On Btm: 2019.10.12 @ 07:30:45
Time Off Btm: 2019.10.12 @ 10:35:45

TEST COMMENT:
IF: Strong Blow . Built to 11 3/4".
ISI: No Blow .
FF: Weak Blow . Built to 4.64".
FSI: No Blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1400.70	92.05	Initial Hydro-static
3	24.53	92.42	Open To Flow (1)
17	32.95	93.34	Shut-In(1)
47	711.92	94.08	End Shut-In(1)
48	48.53	94.09	Open To Flow (2)
94	89.08	95.48	Shut-In(2)
184	968.82	97.98	End Shut-In(2)
185	1380.37	98.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 5%g 5%o 90%m	0.46
10.00	OSM 100%m	0.08

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Val Energy Inc LLC

125 N Market St Ste 1110
Wichita, Ks. 67202

ATTN: David Barker

29-30s-11w Barber Co. Ks.

McKay 1-29

Job Ticket: 64948 **DST#: 1**

Test Start: 2019.10.12 @ 04:30:15

GENERAL INFORMATION:

Formation: **Bern Limestone**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:33:45
Time Test Ended: 12:39:15

Test Type: Conventional Straddle (Initial)
Tester: Matt Smith
Unit No: 68

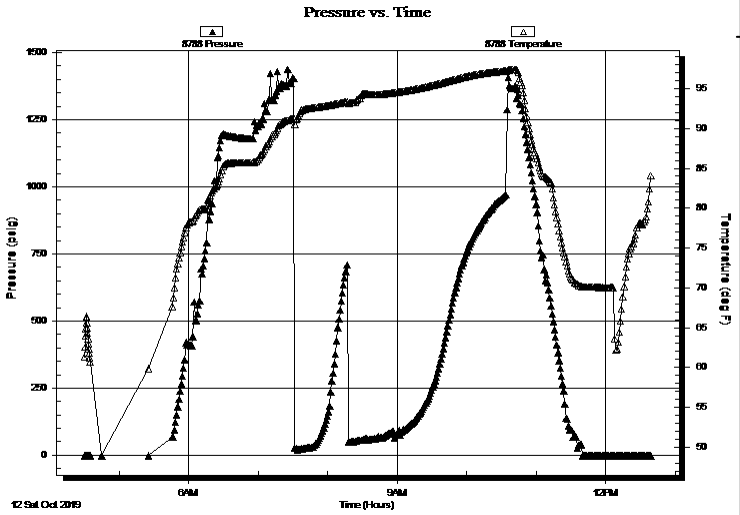
Interval: 3063.00 ft (KB) To 3091.00 ft (KB) (TVD)
Total Depth: 3104.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1751.00 ft (KB)
1739.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8788 **Outside**

Press@RunDepth:	psig @	3090.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2019.10.12	End Date:	2019.10.12	Last Calib.:	2019.10.12
Start Time:	04:30:16	End Time:	12:39:10	Time On Btm:	
				Time Off Btm:	

TEST COMMENT:
IF: Strong Blow . Built to 11 3/4".
ISI: No Blow .
FF: Weak Blow . Built to 4.64".
FSI: No Blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 5%g 5%o 90%m	0.46
10.00	OSM 100%m	0.08

Gas Rates

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

DRILL STEM TEST REPORT

Val Energy Inc LLC

125 N Market St Ste 1110
Wichita, Ks. 67202

ATTN: David Barker

29-30s-11w Barber Co. Ks.

McKay 1-29

Job Ticket: 64948 **DST#: 1**

Test Start: 2019.10.12 @ 04:30:15

GENERAL INFORMATION:

Formation: **Bern Limestone**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:33:45
Time Test Ended: 12:39:15

Test Type: Conventional Straddle (Initial)
Tester: Matt Smith
Unit No: 68

Interval: 3063.00 ft (KB) To 3091.00 ft (KB) (TVD)
Total Depth: 3104.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

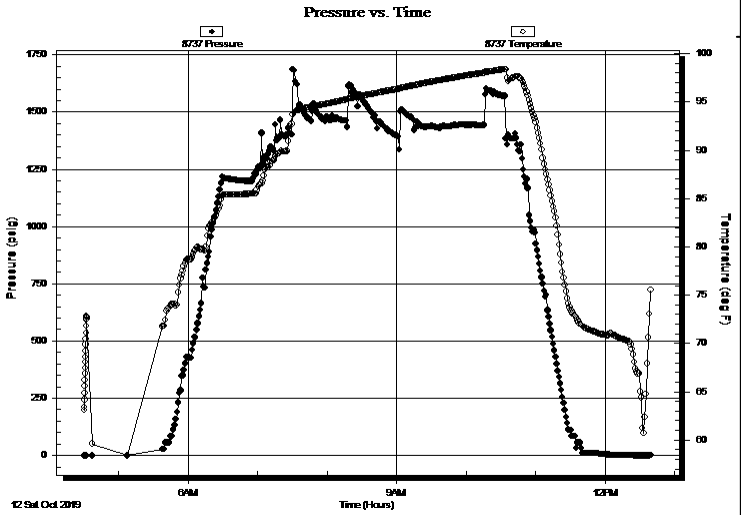
Reference Elevations: 1751.00 ft (KB)
1739.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8737

Press@RunDepth: psig @ 3101.00 ft (KB)
Start Date: 2019.10.12 End Date: 2019.10.12
Start Time: 04:30:35 End Time: 12:39:34

Capacity: 8000.00 psig
Last Calib.: 2019.10.12
Time On Btm:
Time Off Btm:

TEST COMMENT:
IF: Strong Blow . Built to 11 3/4".
ISI: No Blow .
FF: Weak Blow . Built to 4.64".
FSI: No Blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 5%g 5%o 90%m	0.46
10.00	OSM 100%m	0.08

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc LLC

125 N Market St Ste 1110
Wichita, Ks. 67202

ATTN: David Barker

29-30s-11w Barber Co. Ks.

McKay 1-29

Job Ticket: 64948 **DST#: 1**

Test Start: 2019.10.12 @ 04:30:15

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:	3500 ppm
Viscosity:	62.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	3500.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM 5%g 5%o 90%m	0.457
10.00	OSM 100%m	0.076

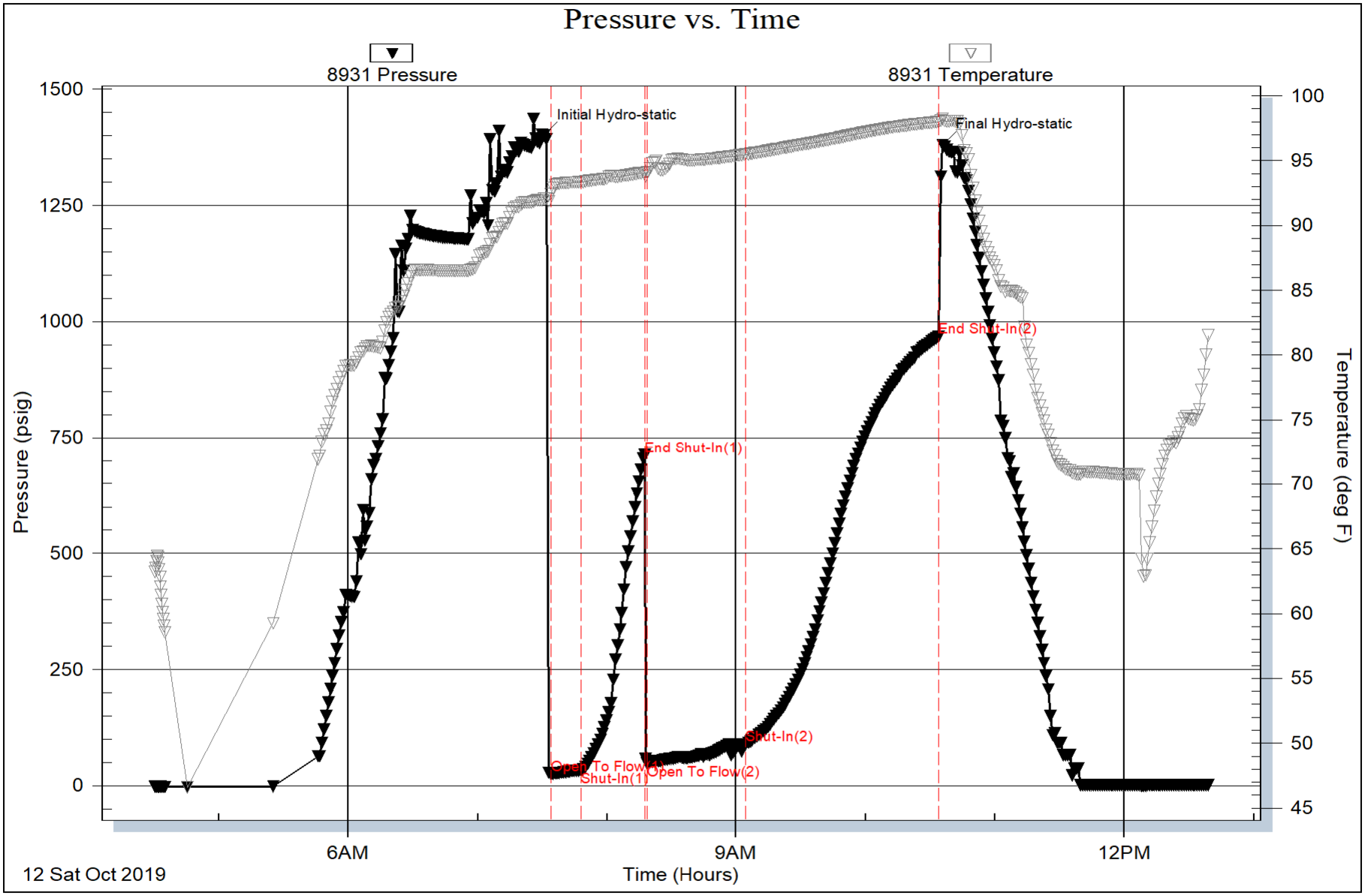
Total Length: 70.00 ft Total Volume: 0.533 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

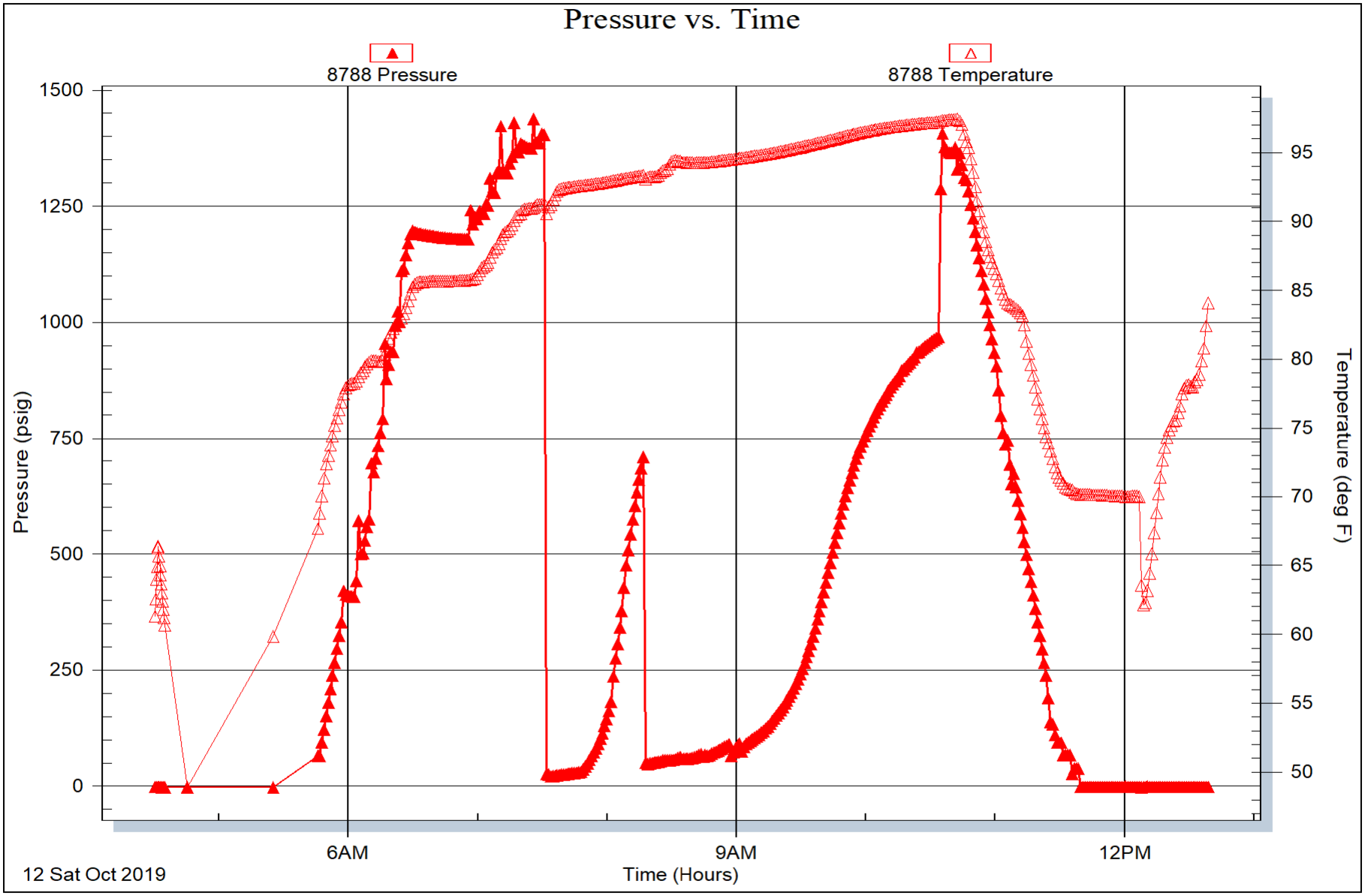
Recovery Comments: Spotted on First10 Ft

Serial #: 8931 **Inside** Val Energy Inc LLC McKay 1-29 DST Test Number: 1



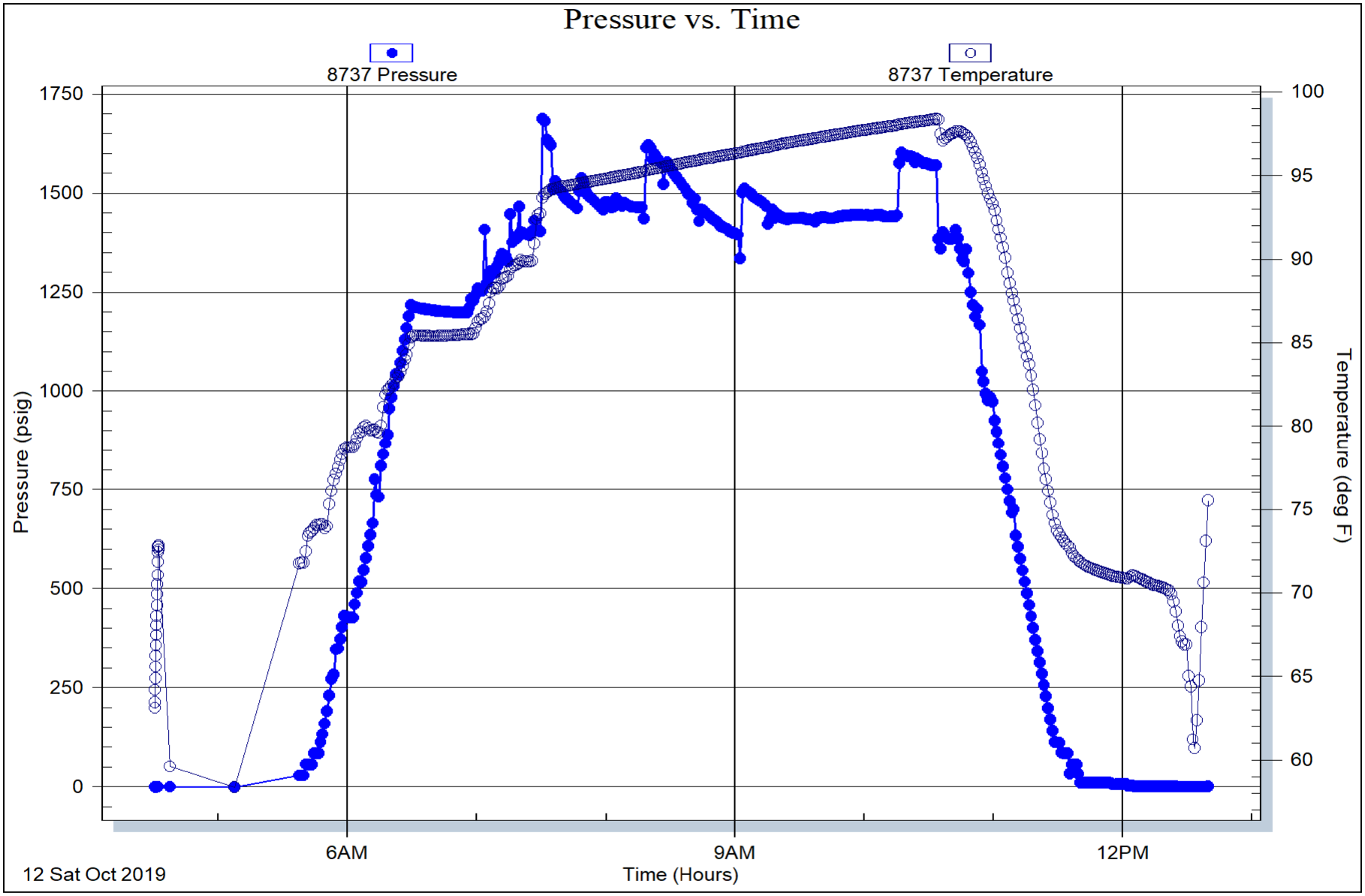
Trilobite Testing, Inc Ref. No: 64948 Printed: 2019.10.12 @ 16:30:09

Serial #: 8788 **Outside** Val Energy Inc LLC McKay 1-29 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 64948 Printed: 2019.10.12 @ 16:30:09

Serial #: 8737 Val Energy Inc LLC McKay 1-29 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 64948 Printed: 2019.10.12 @ 16:30:09

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Val Energy Inc LLC
125 N Market St Ste 1110
Wichita, Ks. 67202

ATTN: David Barker

29-30s-11w Barber Co. Ks.

McKay 1-29

Job Ticket: 64949 **DST#: 2**

Test Start: 2019.10.14 @ 08:00:41

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:31:41
Time Test Ended: 16:36:26

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 68

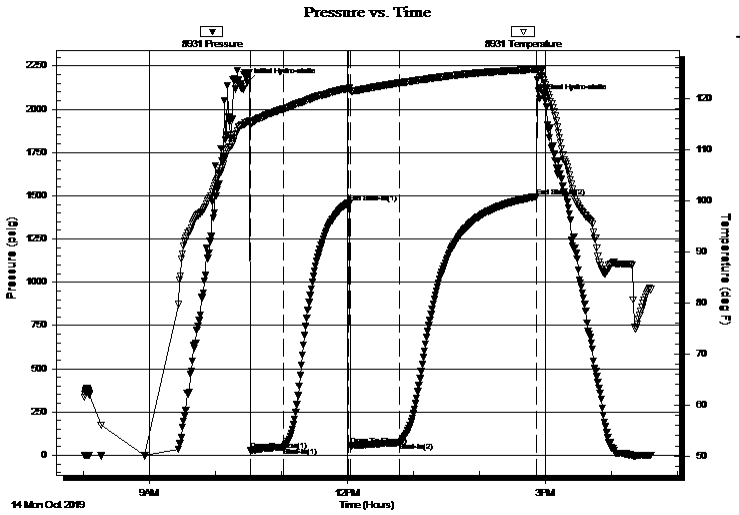
Interval: 4296.00 ft (KB) To 4345.00 ft (KB) (TVD)
Total Depth: 4345.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1751.00 ft (KB)
1739.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8931 **Inside**

Press@RunDepth:	73.32 psig @	4297.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2019.10.14	End Date:	2019.10.14	Last Calib.:	2019.10.14
Start Time:	08:00:46	End Time:	16:36:26	Time On Btm:	2019.10.14 @ 10:28:56
				Time Off Btm:	2019.10.14 @ 14:54:56

TEST COMMENT:
IF: Weak Blow . Built to 2 3/4".
ISI: No Blow .
FF: Weak Blow . Built to 1 1/2".
FSI: No Blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2151.92	115.36	Initial Hydro-static
3	26.22	114.92	Open To Flow (1)
33	47.77	117.90	Shut-In(1)
93	1461.41	121.92	End Shut-In(1)
94	54.72	121.46	Open To Flow (2)
139	73.32	122.96	Shut-In(2)
263	1495.09	125.62	End Shut-In(2)
266	2063.14	124.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WCM 55%w 45%m	0.46
60.00	WCM 1%w 99%m	0.46

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Val Energy Inc LLC

125 N Market St Ste 1110
Wichita, Ks. 67202

ATTN: David Barker

29-30s-11w Barber Co. Ks.

McKay 1-29

Job Ticket: 64949 **DST#: 2**

Test Start: 2019.10.14 @ 08:00:41

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:31:41
Time Test Ended: 16:36:26

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 68

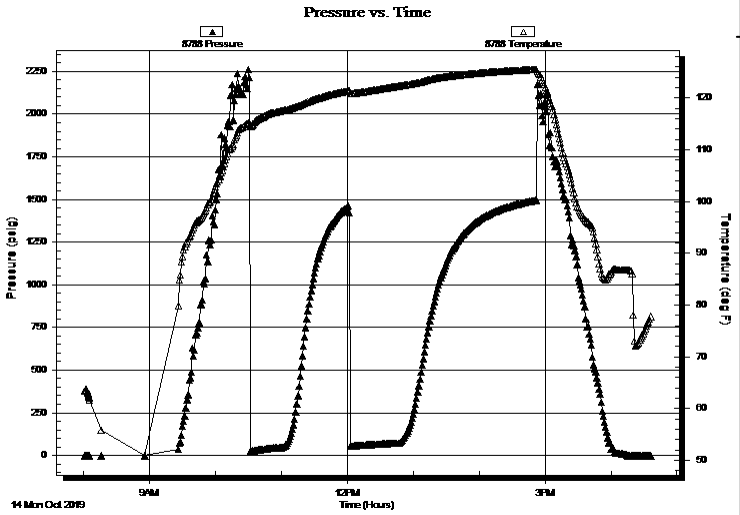
Interval: 4296.00 ft (KB) To 4345.00 ft (KB) (TVD)
Total Depth: 4345.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1751.00 ft (KB)
1739.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8788 **Outside**

Press@RunDepth:	psig @	4297.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2019.10.14	End Date:	2019.10.14	Last Calib.:	2019.10.14
Start Time:	08:00:58	End Time:	16:36:38	Time On Btm:	
				Time Off Btm:	

TEST COMMENT:
IF: Weak Blow . Built to 2 3/4".
ISI: No Blow .
FF: Weak Blow . Built to 1 1/2".
FSI: No Blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WCM 55%w 45%m	0.46
60.00	WCM 1%w 99%m	0.46

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc LLC

125 N Market St Ste 1110
Wichita, Ks. 67202

ATTN: David Barker

29-30s-11w Barber Co. Ks.

McKay 1-29

Job Ticket: 64949 **DST#: 2**

Test Start: 2019.10.14 @ 08:00:41

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:	16000 ppm
Viscosity:	63.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	7000.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

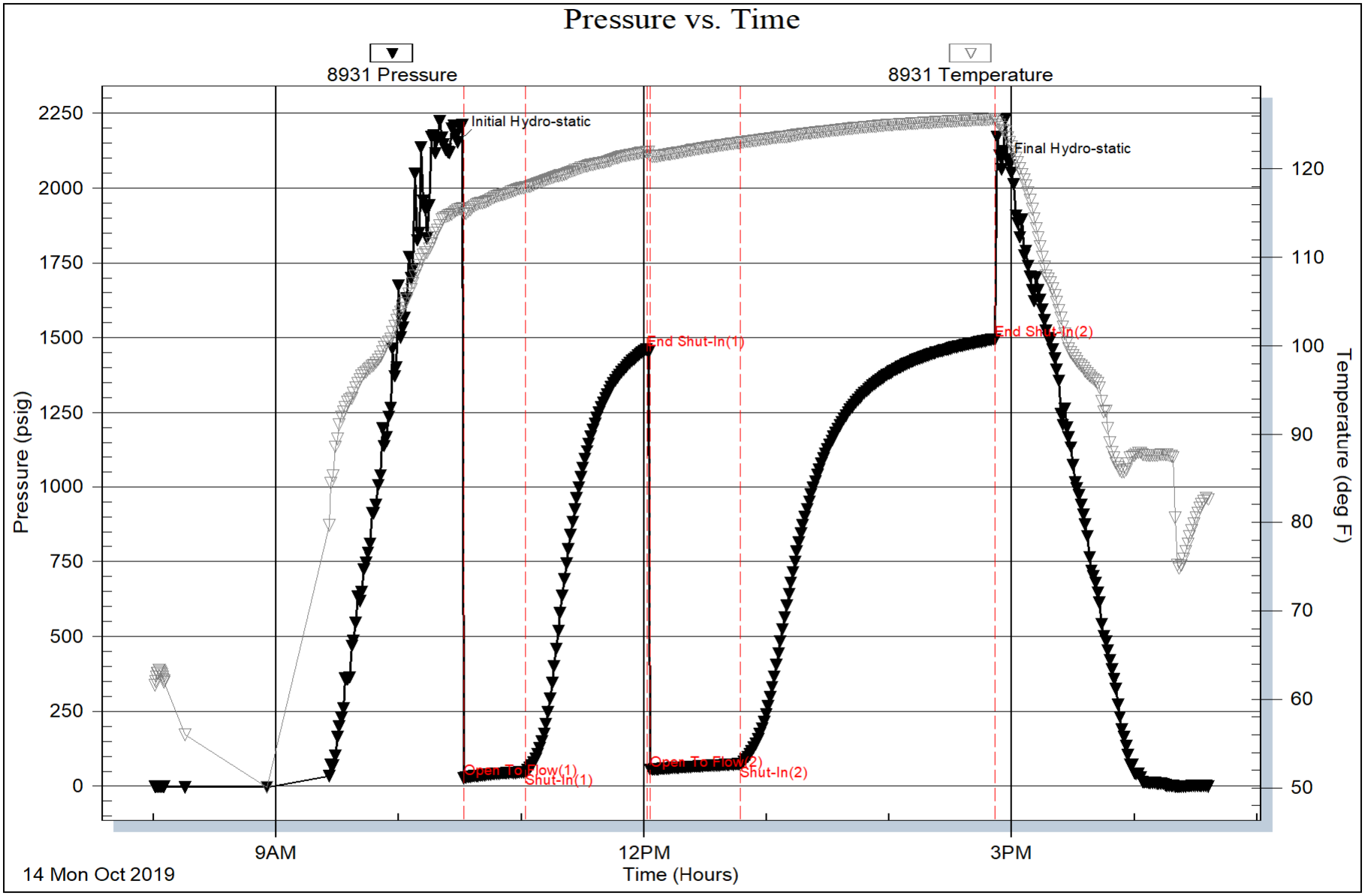
Length ft	Description	Volume bbl
60.00	WCM 55%w 45%m	0.457
60.00	WCM 1%w 99%m	0.457

Total Length: 120.00 ft Total Volume: 0.914 bbl

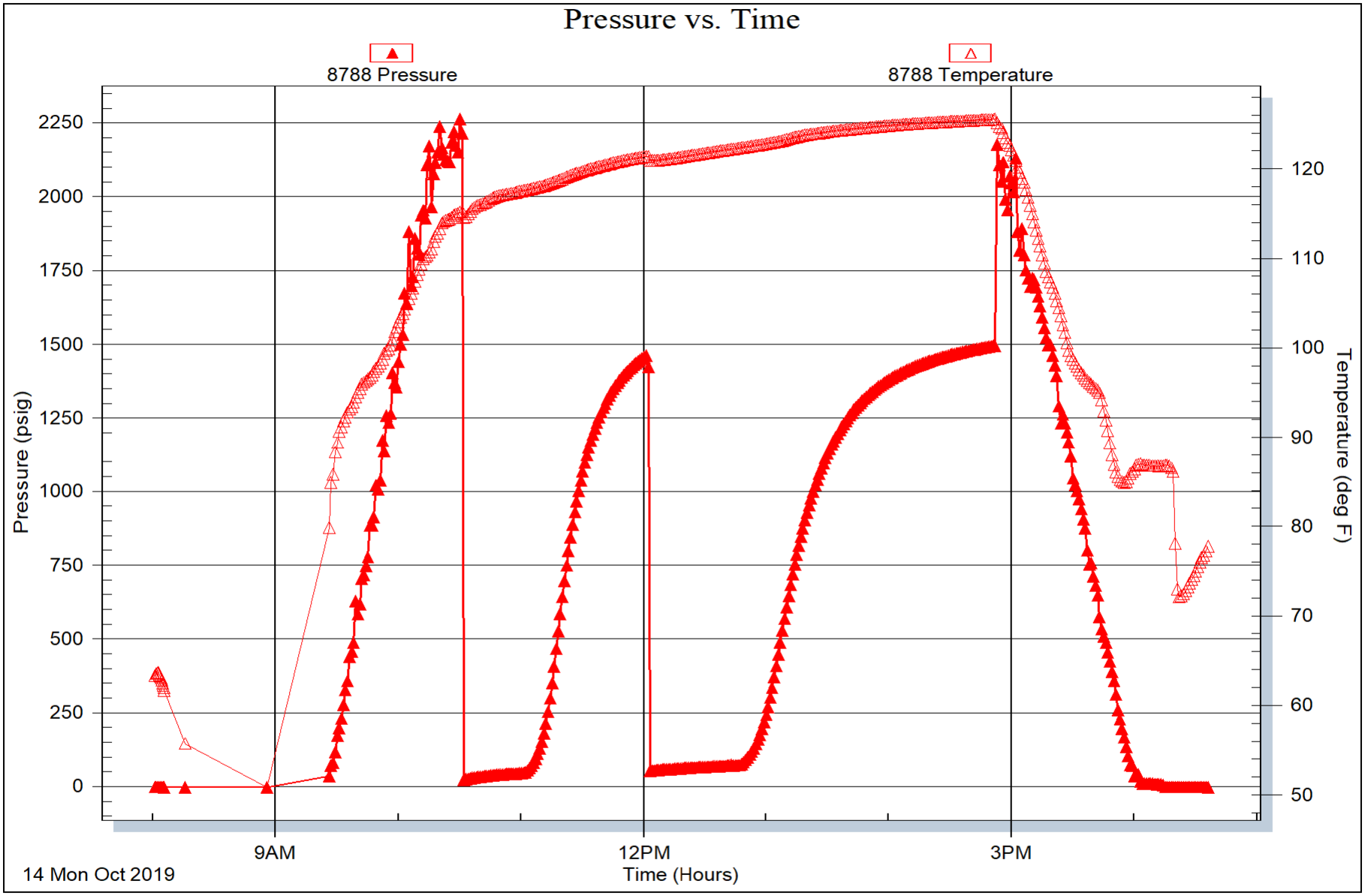
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments: RW .04 @74 Degrees = 16,000 Chlorides.


Pressure vs. Time
8931 Pressure
8931 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
9AM
12PM
3PM
14 Mon Oct 2019
Time (Hours)

Serial #: 8788 **Outside** Val Energy Inc LLC McKay 1-29 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 64949 Printed: 2019.10.14 @ 22:48:58

David A. Barker LLP

Operator:	Bear Lake Exploration Inc.	Licence:	Petroleum Geo-Services
Well:	100/16-07-048-09W5	Date:	Monday, August 2, 2010
Field:	Pembina	Time:	8:00 AM to 6:00 PM
Location:	Alberta, Canada		
Drilling Co.	Precision Drilling Corp. Rig # 146		
Drilling Mud:	Gel Chem		
Hole Size:	8 1/2"	Casing:	7" @ 1,000 m
Total Depth:	1,800 m	Drilling Time:	24 hrs
Logging Co.	Schlumberger	Logging Time:	12 hrs
Logging Mud:	Gel Chem		
Logging Time:	8:00 AM to 6:00 PM		

Geologist: Jeff Barker, Jeff Barker Consulting Inc., Calgary, Alberta, Canada

APPROVED

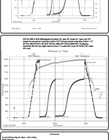
Geologist: Jeff Barker
Date: Monday, August 2, 2010

PREPARED

Geologist: David A. Barker
Date: Friday, August 13, 2010
Email: dave@davidabarker.com

Daily Notes

Monday, August 2, 2010 - Spud 8 1/2" hole at 8:00 AM. Drilling ahead at 1,000 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.
Tuesday, August 3, 2010 - Drilling ahead at 1,800 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.
Wednesday, August 4, 2010 - Drilling ahead at 1,800 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.
Thursday, August 5, 2010 - Drilling ahead at 1,800 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.
Friday, August 6, 2010 - Drilling ahead at 1,800 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.
Saturday, August 7, 2010 - Drilling ahead at 1,800 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.
Sunday, August 8, 2010 - Drilling ahead at 1,800 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.
Monday, August 9, 2010 - Drilling ahead at 1,800 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.
Tuesday, August 10, 2010 - Drilling ahead at 1,800 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.
Wednesday, August 11, 2010 - Drilling ahead at 1,800 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.
Thursday, August 12, 2010 - Drilling ahead at 1,800 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.
Friday, August 13, 2010 - Drilling ahead at 1,800 m at 6:00 AM. Drilling ahead at 1,800 m at 6:00 PM.



Comments

Well was drilled with Precision Drilling Corp. Rig # 146 with a 7" casing set at 1,000 m. Drilling mud was supplied by Gel Chem. Drilling was carried out with a 8 1/2" bit. Drilling time was recorded by Petroleum Geo-Services. Geological supervision was provided by Jeff Barker Consulting Inc. Drilling was supervised by Jeff Barker, Jeff Barker Consulting Inc., Calgary, Alberta, Canada. All depths are measured from the Kelly Bushing (KB) at 1,000 m. Drilling was carried out in accordance with the Alberta Oil and Gas Conservation Board (AOGCB) Directive 056 requirements. Drilling was carried out in accordance with the Canadian Association of Petroleum Producers (CAPP) Drilling Guidelines.

Drilling Time (Min/m), Gas (%), Oil (%), Water (%)

Legend

Anhydrite	Dolomite	Limestone	Sandstone
Bentonite	Dolomite Cement	Limestone Cement	Sandstone Cement
Chert	Dolomite Rhombs	Lithic Fragments	Shale
Coal	Dolomite Vug Filling	Marl	Shale Cavings
Cobble	Drilling Mud	Marlstone	Siltstone
Conglomerate	Evaporite	Mudstone	Tuff
Cuttings	Fossil	Oolite	Volcanic Ash
Dolomite	Glauconite	Pebble	Wood
Dolomite Cavings	Gypsum	Pyrite	
Dolomite Crystals	Igneous	Salt	

Bitumen	Fluorescence	Oil Stain	Tar
Cement	Fracture	Pinpoint Porosity	Vug Porosity
Crystalline	Fracture Filling	Porosity	Water
Dead Oil	Free Oil	Sample Porosity	
Dolomitic	Gas	Show	
Fair	Good	Poor	

Bioclastic	Intercrystalline	Oolitic	Vuggy
Crystalline	Intergranular	Pinpoint	
Fracture	Intergranular Vug	Porous	
Fracture Filling	Intergranular Vug Filling	Sucrosic	
Fossiliferous	Intergranular Vug Porosity	Vug Filling	

Bioclastic	Intercrystalline	Oolitic	Vuggy
Crystalline	Intergranular	Pinpoint	
Fracture	Intergranular Vug	Porous	
Fracture Filling	Intergranular Vug Filling	Sucrosic	
Fossiliferous	Intergranular Vug Porosity	Vug Filling	

Lithology

Geological Description

Drilling Time (Min/m)

Gas (%)

Oil (%)

Water (%)

Depth (m)

Drilling Mud: Gel Chem

Hole Size: 8 1/2"

Casing: 7" @ 1,000 m

Drilling Co.: Precision Drilling Corp. Rig # 146

Logging Co.: Schlumberger

Logging Mud: Gel Chem

Logging Time: 8:00 AM to 6:00 PM

Drilling Time: 24 hrs

Total Depth: 1,800 m

Drilling Time: 12 hrs

Drilling Mud: Gel Chem

Hole Size: 8 1/2"

Casing: 7" @ 1,000 m

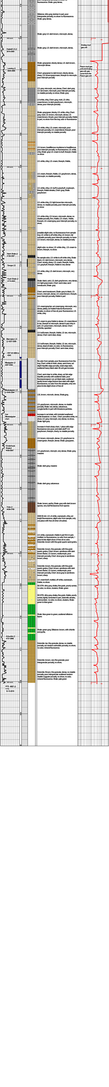
Drilling Co.: Precision Drilling Corp. Rig # 146

Logging Co.: Schlumberger

Logging Mud: Gel Chem

Logging Time: 8:00 AM to 6:00 PM

Drilling Time: 24 hrs

Total Depth: 1,800 m

Drilling Time: 12 hrs