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 #:

10/17/2019	10/25/2019	10/25/2019
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-007-24361-00-00
Spot Description:
NE - SW - NE - NW Sec. 31 Twp. 30 S. R. 12 ☐ East ☑ West
960 Feet from ☑ North / ☐ South Line of Section
1950 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: BOUZIDEN Well #: 1-31
Field Name:
Producing Formation: NA
Elevation: Ground: 1811 Kelly Bushing: 1823
Total Vertical Depth: 4815 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 348 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: 37000 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 SWD License #: 5822
Quarter NE 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: 01/02/2020
☐ **Confidential Release Date:** 01/01/2022
☑ **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: BOUZIDEN Well #: 1-31

Sec. 31 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
Heebner	3713	-1890
Haskel	6/5	-2049
Miss	4340	-2517
Viola	4527	-2704

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	348	Common	225	3%cc 2%gel

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	BOUZIDEN 1-31
Doc ID	1486790

All Electric Logs Run

Induction
Sonic
Micro
Neutron

Form	ACO1 - Well Completion
Operator	Val Energy, Inc.
Well Name	BOUZIDEN 1-31
Doc ID	1486790

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	348	Common	225	3%cc 2%gel

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

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

ATTN: David Barker

31-30s-12w Barber Co. Ks.

Bouziden 1-31

Job Ticket: 64950 **DST#: 1**

Test Start: 2019.10.23 @ 03:47:23

GENERAL INFORMATION:

Formation: **Swope**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:30:23
Time Test Ended: 13:00:38

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

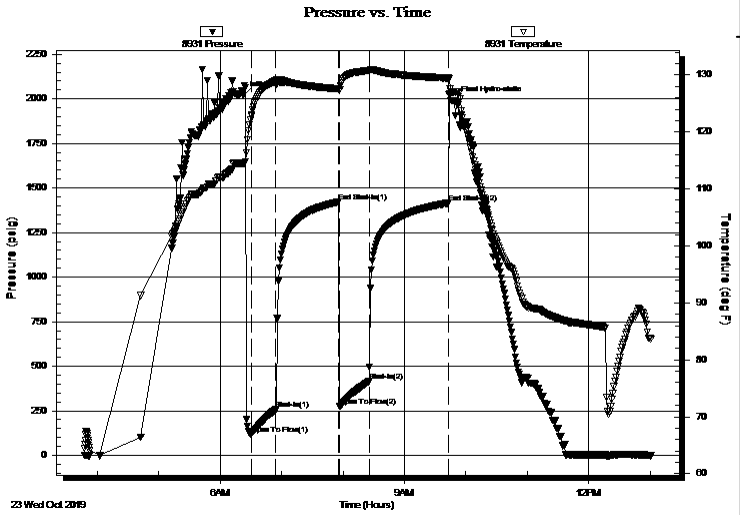
Interval: 4177.00 ft (KB) To 4200.00 ft (KB) (TVD)
Total Depth: 4200.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1823.00 ft (KB)
1811.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8931 **Inside**

Press@RunDepth:	416.63 psig @	4178.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2019.10.23	End Date:	2019.10.23	Last Calib.:	2019.10.23
Start Time:	03:47:28	End Time:	13:00:38	Time On Btm:	2019.10.23 @ 06:22:38
				Time Off Btm:	2019.10.23 @ 09:48:38

TEST COMMENT: IF: Strong Blow . B.O.B. in 45 secs. Built to 324.96".
ISI: Strong Blow . G.T.S. in Bleed Off. Built to 32.58".
FF: Strong Blow . B.O.B. in 7 mins. (G.T.S.) T.S.T.M. Built to 77.52".
FSI: Strong Blow . Built to 16.42".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2019.55	114.47	Initial Hydro-static
8	121.20	122.80	Open To Flow (1)
32	258.13	128.95	Shut-In(1)
94	1422.16	127.56	End Shut-In(1)
95	275.73	127.43	Open To Flow (2)
123	416.63	130.79	Shut-In(2)
200	1414.93	129.45	End Shut-In(2)
206	1989.85	127.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	MCW 1%m 99%w	0.94
156.00	MCW 1%m 99%w	2.19
256.00	GOspecMCW 2%g 2%m 96%w	3.59
193.00	GOWCM 40%g 15% 5%w 40%m	2.71
0.00	GTS	0.00

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

31-30s-12w Barber Co. Ks.

Bouziden 1-31

Job Ticket: 64950 **DST#: 1**

Test Start: 2019.10.23 @ 03:47:23

GENERAL INFORMATION:

Formation: **Swope**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:30:23
Time Test Ended: 13:00:38

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

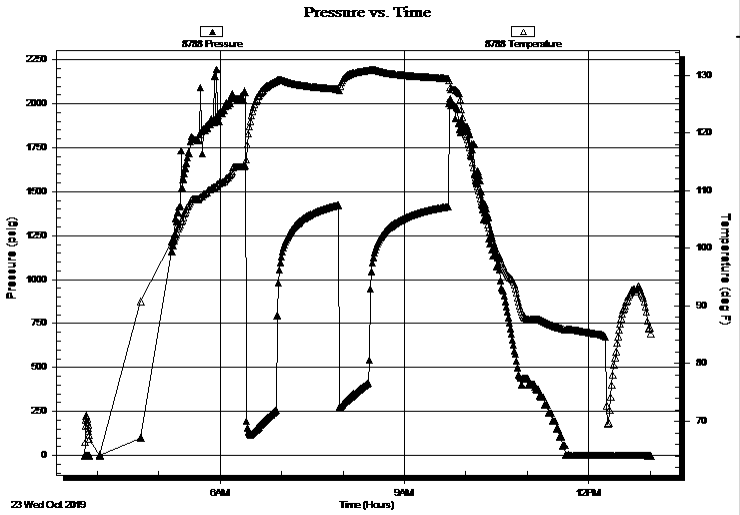
Interval: 4177.00 ft (KB) To 4200.00 ft (KB) (TVD)
Total Depth: 4200.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1823.00 ft (KB)
1811.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8788 **Outside**

Press@RunDepth:	psig @	4178.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2019.10.23	End Date:	2019.10.23	Last Calib.:	2019.10.23
Start Time:	03:47:28	End Time:	13:00:38	Time On Btm:	
				Time Off Btm:	

TEST COMMENT:
IF: Strong Blow . B.O.B. in 45 secs. Built to 324.96".
ISI: Strong Blow . G.T.S. in Bleed Off. Built to 32.58".
FF: Strong Blow . B.O.B. in 7 mins. (G.T.S.) T.S.T.M. Built to 77.52".
FSI: Strong Blow . Built to 16.42".



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
123.00	MCW 1%m 99%w	0.94
156.00	MCW 1%m 99%w	2.19
256.00	GOspecMCW 2%g 2%m 96%w	3.59
193.00	GOWCM 40%g 15% 5%w 40%m	2.71
0.00	GTS	0.00

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

31-30s-12w Barber Co. Ks.

Bouziden 1-31

Job Ticket: 64950 **DST#: 1**

Test Start: 2019.10.23 @ 03:47:23

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:	115000 ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	3000.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	MCW 1%m 99%w	0.943
156.00	MCW 1%m 99%w	2.188
256.00	GOspecMCW 2%g 2%m 96%w	3.591
193.00	GOWCM 40%g 15% 5%w 40%m	2.707
0.00	GTS	0.000

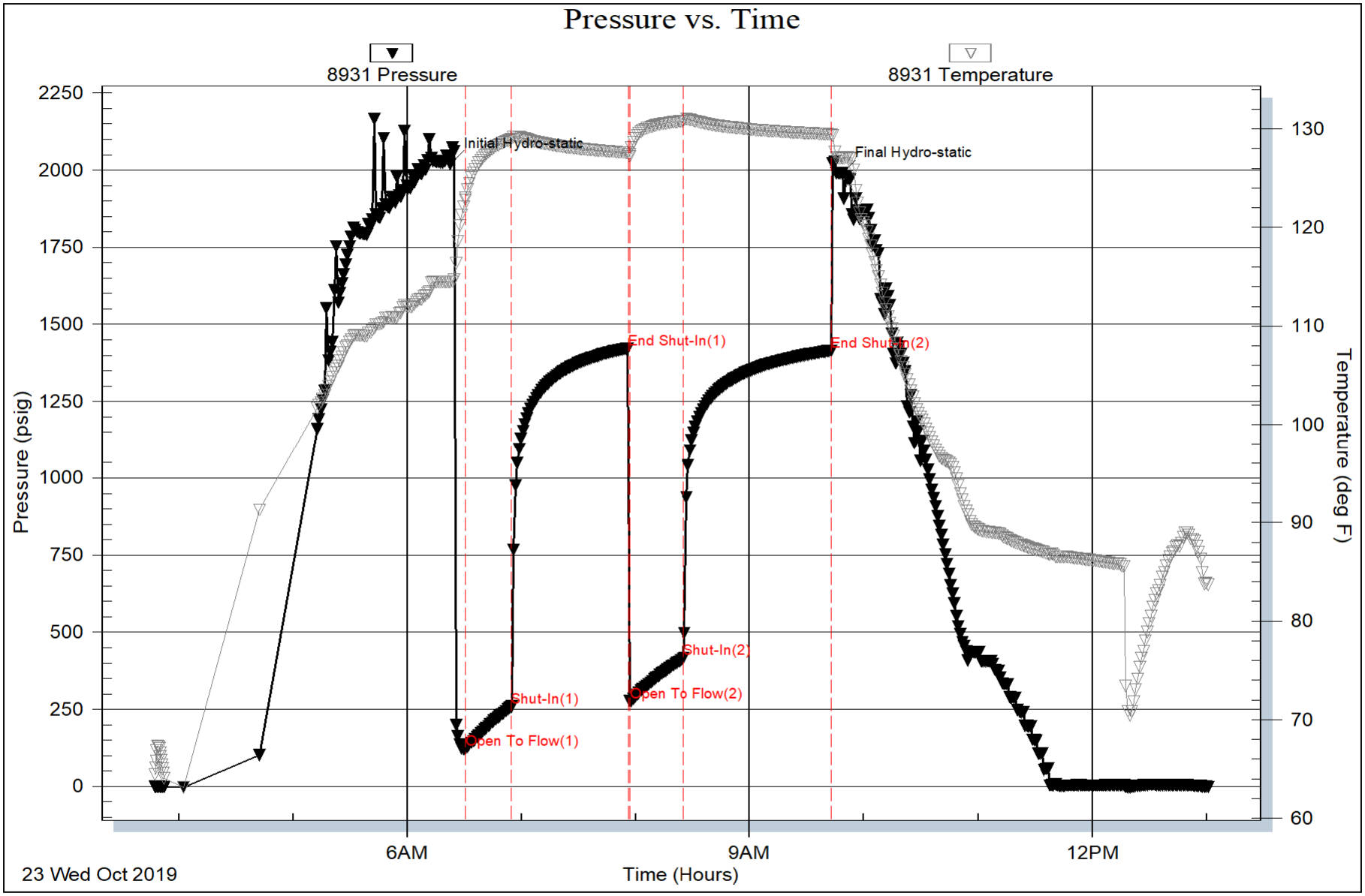
Total Length: 728.00 ft Total Volume: 9.429 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: MASPRATT

Laboratory Name: Laboratory Location:

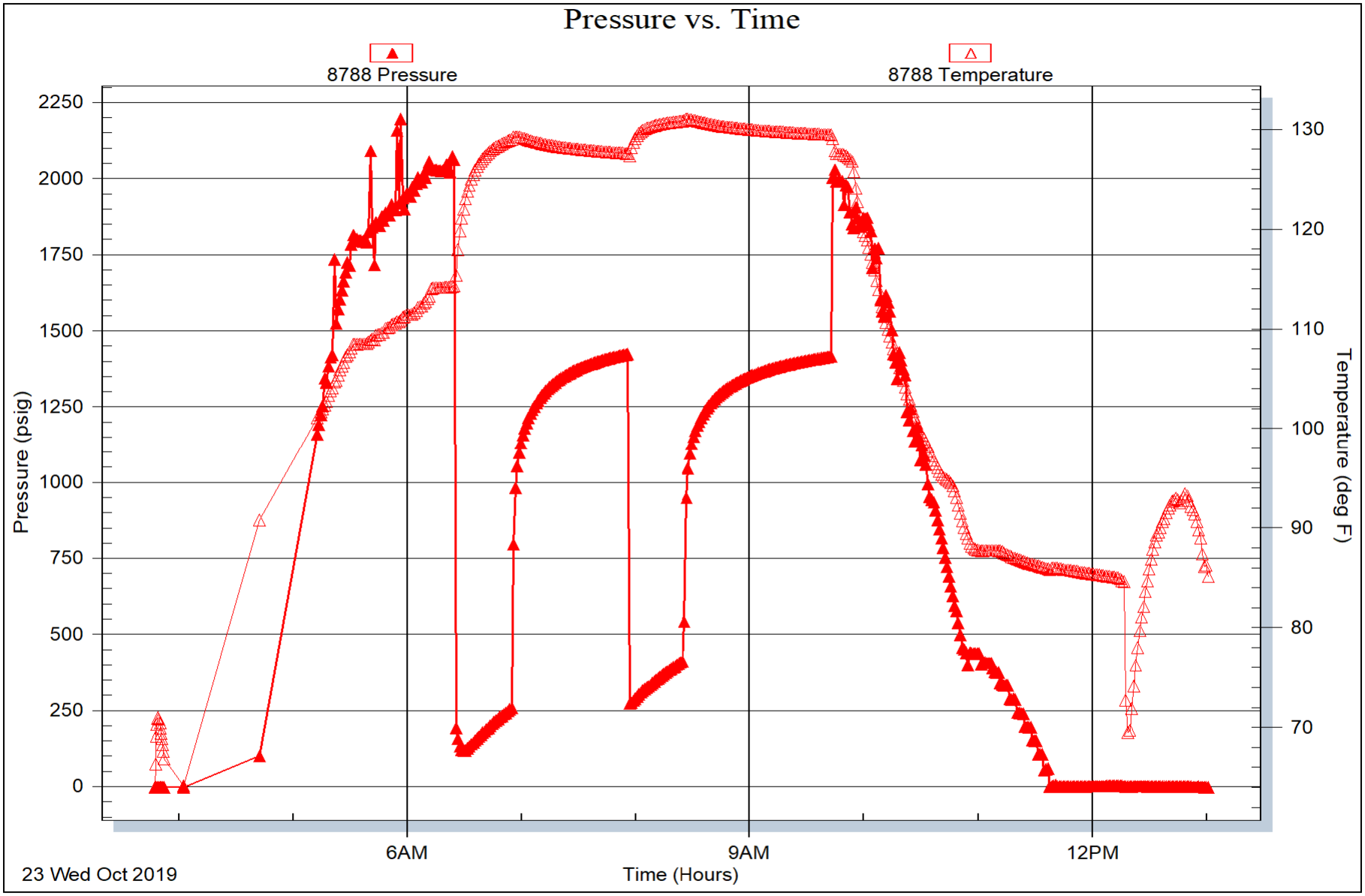
Recovery Comments: RW .075 @ 70 Degrees = 115,000 Chlorides.

Serial #: 8931 **Inside** Val Energy Inc LLC Bouziden 1-31 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 64950 Printed: 2019.10.23 @ 14:35:37

Serial #: 8788 **Outside** Val Energy Inc LLC Bouziden 1-31 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 64950 Printed: 2019.10.23 @ 14:35:37

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

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

ATTN: David Barker

31-30s-12w Barber Co. Ks.

Bouziden 1-31

Job Ticket: 34002 **DST#: 2**

Test Start: 2019.10.24 @ 03:27:17

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:47:32
Time Test Ended: 12:34:47

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

Interval: 4294.00 ft (KB) To 4356.00 ft (KB) (TVD)
Total Depth: 4356.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

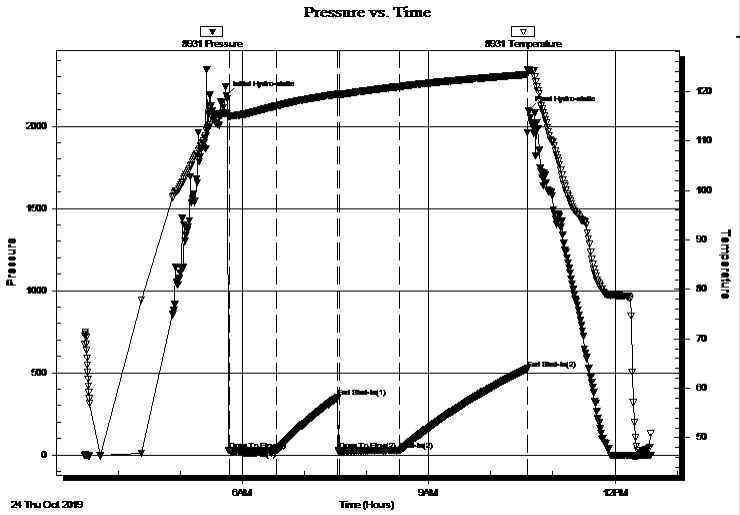
Reference Elevations: 1823.00 ft (KB)
1811.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8931 **Inside**

Press@RunDepth: 28.82 psig @ 4295.00 ft (KB)
Start Date: 2019.10.24 End Date: 2019.10.24
Start Time: 03:27:22 End Time: 12:34:47

Capacity: 8000.00 psig
Last Calib.: 2019.10.24
Time On Btm: 2019.10.24 @ 05:44:32
Time Off Btm: 2019.10.24 @ 10:36:32

TEST COMMENT:
IF: Strong Blow . B.O.B. in 12- mins. Built to 29.87".
ISI: No Blow .
FF: Strong Blow . B.O.B., immediately. Built to 39.57".
FSI: No Blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2184.80	115.58	Initial Hydro-static
3	27.21	114.96	Open To Flow (1)
49	27.50	117.10	Shut-In(1)
108	350.75	119.48	End Shut-In(1)
109	26.43	119.42	Open To Flow (2)
168	28.82	121.02	Shut-In(2)
291	525.42	123.44	End Shut-In(2)
292	2092.11	124.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GM 3%g 97%m	0.46
0.00	667' G.I.P. 100%g	0.00

* Recovery from multiple tests

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

31-30s-12w Barber Co. Ks.

Bouziden 1-31

Job Ticket: 34002 **DST#: 2**

Test Start: 2019.10.24 @ 03:27:17

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:47:32
Time Test Ended: 12:34:47

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

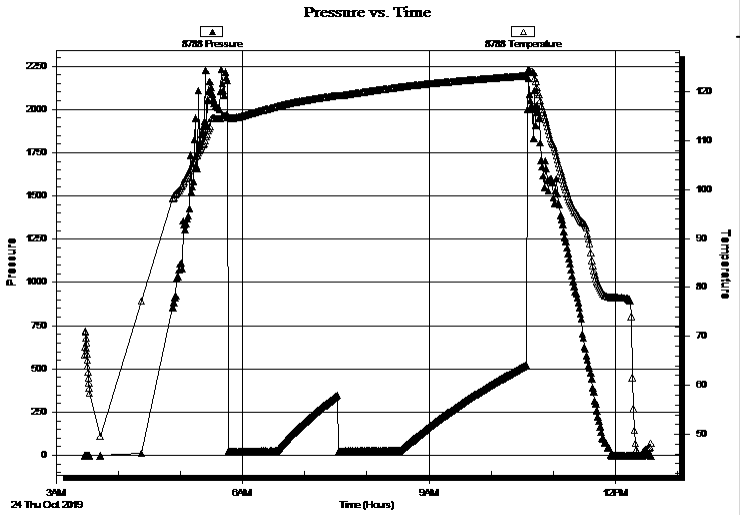
Interval: 4294.00 ft (KB) To 4356.00 ft (KB) (TVD)
Total Depth: 4356.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1823.00 ft (KB)
1811.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8788 **Outside**

Press@RunDepth:	psig @	4295.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2019.10.24	End Date:	2019.10.24	Last Calib.:	2019.10.24
Start Time:	03:27:08	End Time:	12:34:33	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: Strong Blow . B.O.B. in 12- mins. Built to 29.87".
ISI: No Blow .
FF: Strong Blow . B.O.B., immediately. Built to 39.57".
FSI: No Blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GM 3%g 97%m	0.46
0.00	667' G.I.P. 100%g	0.00

* 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

31-30s-12w Barber Co. Ks.

Bouziden 1-31

Job Ticket: 34002 **DST#: 2**

Test Start: 2019.10.24 @ 03:27:17

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:	4000 ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.18 in³	Gas Cushion Type:			
Resistivity:	4000.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

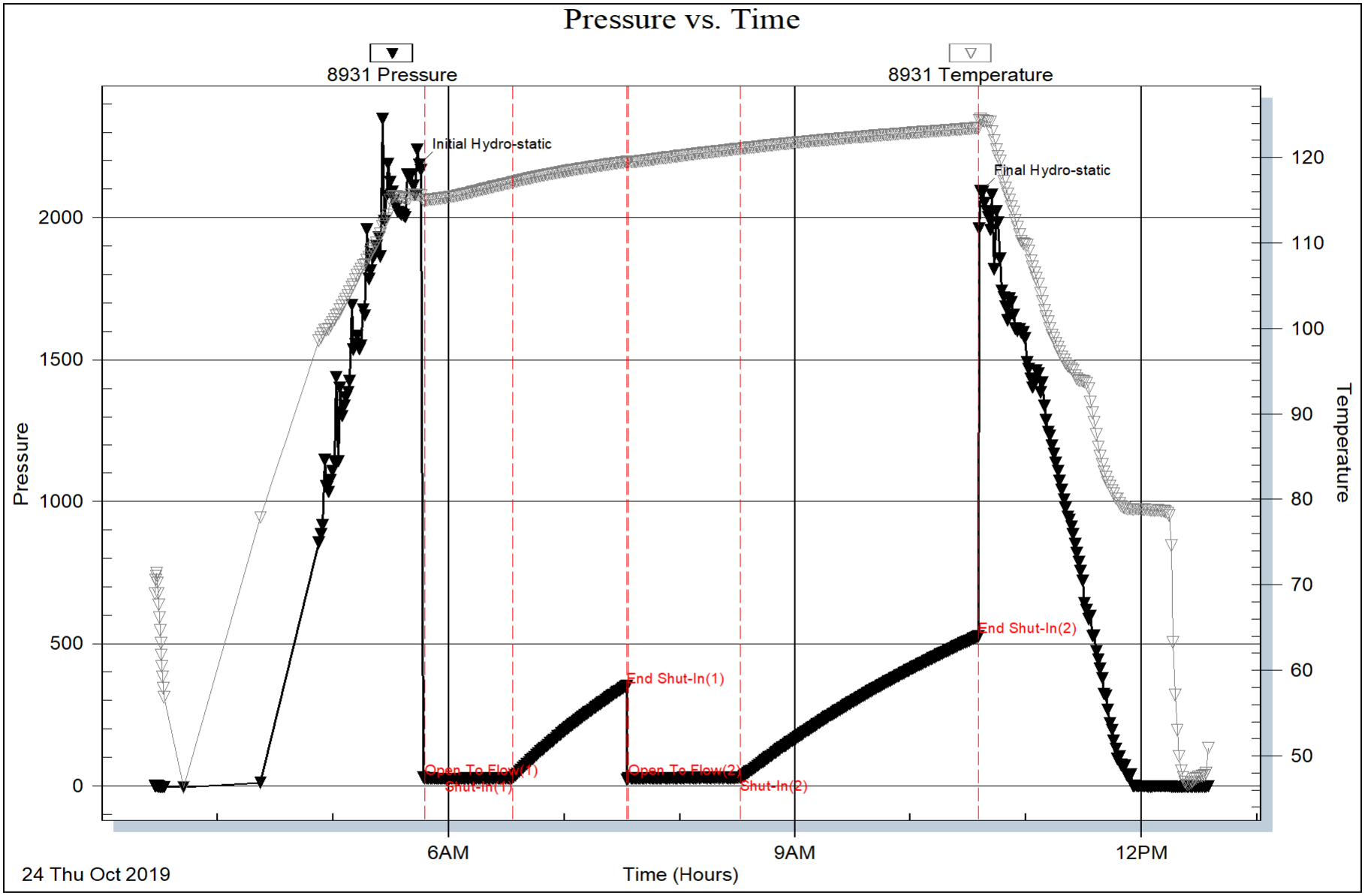
Length ft	Description	Volume bbl
60.00	GM 3%g 97%m	0.457
0.00	667' G.I.P. 100%g	0.000

Total Length: 60.00 ft Total Volume: 0.457 bbl

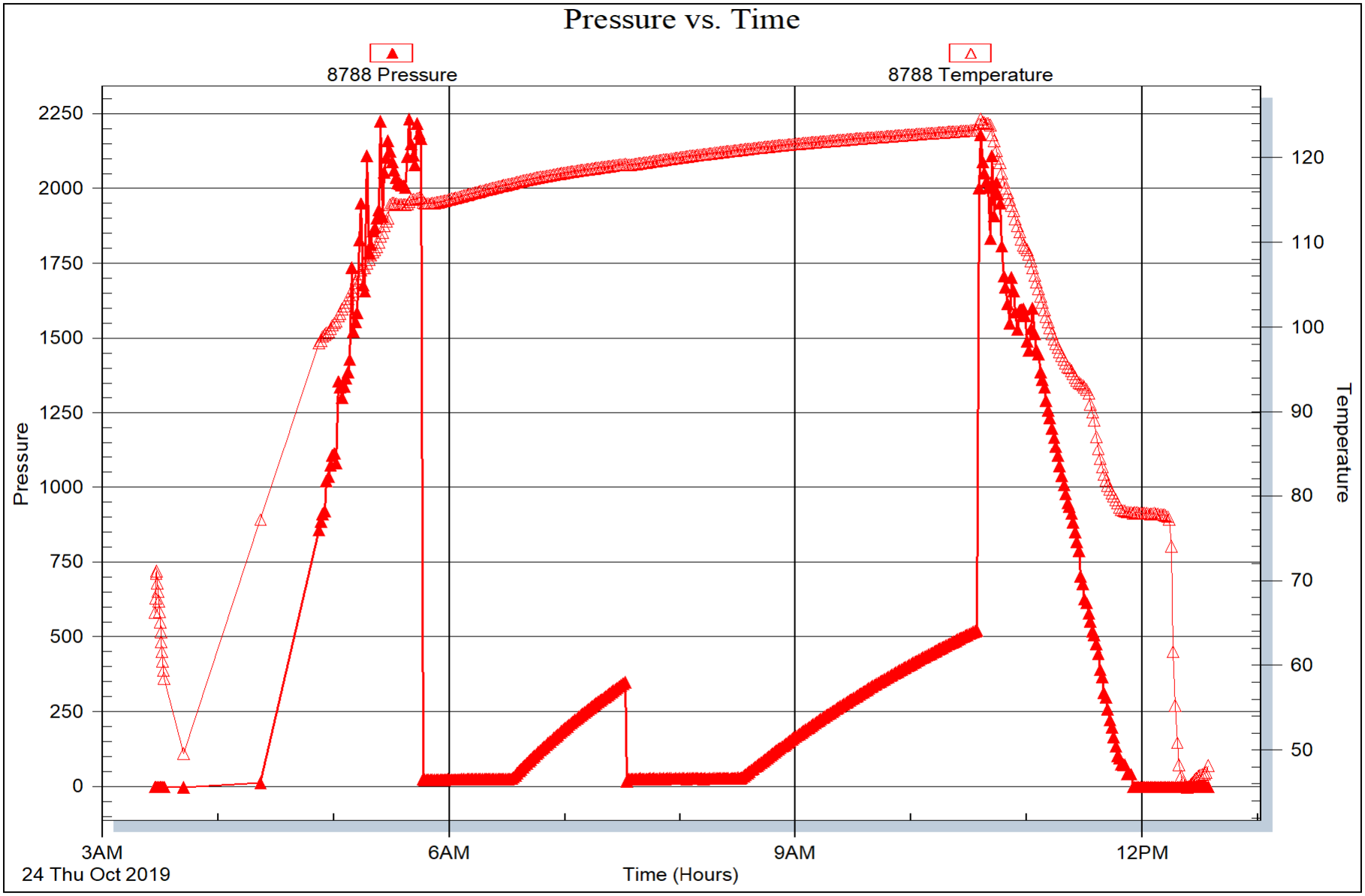
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments:


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
Temperature
2000
1500
1000
500
0
120
110
100
90
80
70
60
50
6AM
9AM
12PM
24 Thu Oct 2019
Time (Hours)

Serial #: 8788 **Outside** Val Energy Inc LLC Bouziden 1-31 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 34002 Printed: 2019.10.24 @ 13:54:19

David A. Barker

CONSULTING GEOLOGIST

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Bouziden #1-31
Well Id: 15-007-24361
Location: 31-T30S-R12W
License Number: 15-007-24361
Region: Barber County, Kansas
Spud Date: 10-17-2019
Drilling Completed: 10/25/2019
Surface Coordinates: 960' FNL & 1950' FWL, or NE-SW-NE-NW/4

Bottom Hole Coordinates:
Ground Elevation (ft): 1811
K.B. Elevation (ft): 1823
Logged Interval (ft): 2300 To: 4815
Total Depth (ft): 4815
Formation: Arbuckle
Type of Drilling Fluid: chemical

Printed by WellSight LogViewer from WellSight Systems 1-800-447-1534 www.WellSight.com

GEOLOGIST

Name: David A. Barker
Company:
Address: 212 N. Market, Suite# 320
Wichita, Kansas 67202
(316) 259-4294, 2 Barker@sbcglobal.net

OPERATOR

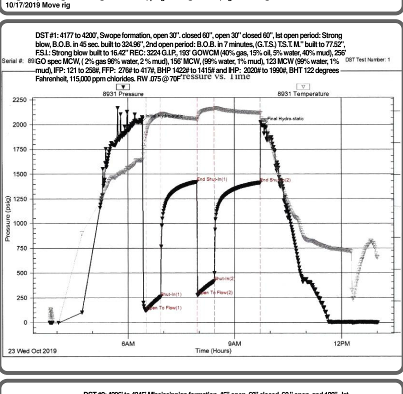
Company: Val Energy, INC
Address: 125 N. Market
Ste 1110
Wichita, Kansas 67202

Daily Status

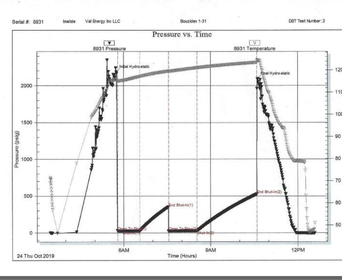
10/17/2019 Spud well at Spud @ 8:45 P.M. pm.

10/18/2019: 350', W.O.C.: Ran 8 jts new 8 5/8", set @ 348', cement with 225sx Common, 3% cc, 2% gel, plug down @ 5:30 am by Quality, cement did circulate, Survey 1/4 @ 350'
10/19/2019 morning depth: 1235', survey @999' 3/4 deg., 1 1/4 deg. @ 1506'
10/20/2019 morning depth: 2423', Drilling, 1 deg. @ 1507', Survey 1 deg @ 2013',
10/21/2019, morning depth: 3325', Drilling, Survey 3/4 deg. @ 2599', 1 1/4 deg. @ 3185
10/22/2019, morning depth: 3972', Drilling,
Survey 1 1/4 deg @ 3470/'
10/23/2019, morning depth: 4200', drilling, Survey 1 1/4 @ 3990' DST #1, Swope formation, test interval: 4177' to 4200',
10/24/2019, morning depth: 4356, DST #2, upper Mississippian, test interval: 4294-4356, Survey 1 1/4 deg. @ 4356.
10/25/2019, morning depth: 4755, Drilling, Run electric logs prepare
10/26/2019 well T.D. @ 4815, decision to plug and abandon Bouziden 1-31, Plug well with 50 sx @ 4756, 50 sx @ 650, 50 sx @ 390', 20 sx @ 60' 20 sx @ mouse hole, plug down @ 7:45am, rig released @ 9:45 am
10/17/2019 Move rig

DST #1: 4177 to 4200', Swope formation, open 30". closed 60", open 30" closed 60", Ist open period: Strong blow, B.O.B. in 45 sec. built to 324.96", 2nd open period: B.O.B. in 7 minutes, (G.T.S.) T.S.T. M." built to 77.52", F.S.I.: Strong blow built to 16.42" REC: 3224 G.I.P., 193' GOWCM (40% gas, 15% oil, 5% water, 40% mud), 256' GO spec MCW, (2% gas 96% water, 2 % mud), 156' MCW, (99% water, 1% mud), 123 MCW (99% water, 1% mud), IFP: 121 to 258#, FFP: 276# to 417#, BHP 1422# to 1415# and IHP: 2020# to 1990#, BHT 122 degrees Fahrenheit, 115,000 ppm chlorides. RW .075 @ 70F



DST #2: 4296' to 4345' MIssissippian formation, 45" open, 60" closed, 60 " open, and 120" , Ist open period: Strong blow, B.O.B. in 12 minutes, built to 29.87" 2nd open period: B.O.B. immediately, built to 39.57", REC: 667 G.I.P., 60 GMud, (3% gas, 97% mud) IFP 27.21 to 27.5#, FFP 26.43 to 28.32#, BHP 350.75# to 525.42#, IHP 2184.8 to 2092.11#, BHT 115 degrees, fahrenheit,



Contractor

Fossil Drilling Rig #3, Main, 100 S. Main,
Pratt, Kansas

Remarks

At the location of the 1-31 Bouziden drilling location one of the primary potentially productve zones was the MIssissippian Chert. This zone was penetrated at a drilling depth of 4244 and the upper Mississippian chert was drillstem tested by DST #2 from 4294 to 4356. This test recovered 667 GCM and 60' gassy mud, BHP of 350 to 525#. The Mississippian electric log calculations of this zone and the results of the drill stem test revealed that the Mississippian formation at this location was noncommercial.

The Swope formation was drill stem tested from 4177 to 4200. This formation produced G.T.S during the I.S.I. period and Recovered 728' total feet of fluid, (193' GOWCM, 256' GO spec MCW, 156' MCW, 123' MCW) electric log calculations of this zone showed this zone at this location to be "Wet" and non commercial.

All potentially productive zones were reviewed on the open hole electrice log. After the review of the electric log, DST results and the drilling samples it was recommended that the 1-31 Bouziden be plugged and abandoned on 10-25-2019. David Barker

ACCESSORIES

INTERVALS: Core, Dst, Dst
EVENTS: Rft, Sidewall, Cfs, Conn
POROSITY TYPE: Earthy, Fenest, Fracture, Inter, Moldic, Organic, Pinpoint, Vuggy
LITHOLOGY: Anhy, Cht, Congl, Shale, Shgy, Ss, Carb shale, Gray shale, Sandy lmst
Shale, Slt stn, Shaly slst, Slty shale, Blank, Gray lmst, Cream lmst, Red shale, Blue-green siltstn, D. green shale, Green shale, Brown lmst, Brown shale, Brown dol, Brown cream, D. green lmst, Light cream lmst, Gray cream lmst, Green dol, Gray dol
FOSSIL: Algae, Amph, Belm, Bioclst, Brach, Bryozoa, Cephal, Coral, Crin
Echin, Fish, Foram, Fossil, Gastro, Oolite, Ostra, Pelec, Pellet, Pisolite, Plant, Strom, Fuss, Oomold
MINERAL: Anhy, Arggrn, Arg, Bent, Bit, Brecfrag, Calc, Carb, Chtdk, Chtlt, Dol, Feldspar, Ferrpel, Ferr, Glau
Gyp, Hvymin, Kaol, Marl, Minxl, Nodule, Phos, Pyr, Salt, Sandy, Silt, Sil, Sulphur, Tuff, Chlorite, Dol, Sand, Slty
STRINGER: Anhy, Arg, Bent, Coal, Dol, Gyp, Ls, Mrst, Sltstrg, Ssstrg, Carbsh
Clystn, Dol, Grysh, Gryslt, Lms, Sandylms, Sh, Sltstn
TEXTURE: Boundst, Chalky, Cryxln, Earthy, Finexln, Grainst, Lithogr, Microxln, Mudst, Packst, Wackest
OIL SHOWS: Even, Spotted, Ques, Dead, Gas show

ROCK TYPES

INTERVALS: Core, Dst, Dst
EVENTS: Rft, Sidewall, Cfs, Conn
POROSITY TYPE: Earthy, Fenest, Fracture, Inter, Moldic, Organic, Pinpoint, Vuggy
LITHOLOGY: Anhy, Cht, Congl, Shale, Shgy, Ss, Carb shale, Gray shale, Sandy lmst, Shale
Slt stn, Shaly slst, Slty shale, Blank, Gray lmst, Cream lmst, Red shale, Blue-green siltstn, D. green shale, Green shale, Brown lmst, Brown shale, Brown dol, Brown cream, D. green lmst, Light cream lmst, Gray cream lmst, Green dol, Gray dol
FOSSIL: Algae, Amph, Belm, Bioclst, Brach, Bryozoa, Cephal, Coral, Crin, Echin, Fish
Foram, Fossil, Gastro, Oolite, Ostra, Pelec, Pellet, Pisolite, Plant, Strom, Fuss, Oomold
MINERAL: Anhy, Arggrn, Arg, Bent, Bit, Brecfrag, Calc, Carb, Chtdk, Chtlt, Dol, Feldspar, Ferrpel, Ferr, Glau, Gyp, Hvymin, Kaol
Marl, Minxl, Nodule, Phos, Pyr, Salt, Sandy, Silt, Sil, Sulphur, Tuff, Chlorite, Dol, Sand, Slty
STRINGER: Anhy, Arg, Bent, Coal, Dol, Gyp, Ls, Mrst, Sltstrg, Ssstrg, Carbsh, Clystn, Dol, Grysh, Gryslt
Lms, Sandylms, Sh, Sltstn
TEXTURE: Boundst, Chalky, Cryxln, Earthy, Finexln, Grainst, Lithogr, Microxln, Mudst, Packst, Wackest
SORTING: Well, Moderate, Poor
OIL SHOWS: Even, Spotted, Ques, Dead, Gas show

OTHER SYMBOLS

INTERVALS: Core, Dst, Dst
EVENTS: Rft, Sidewall, Cfs, Conn
POROSITY TYPE: Earthy, Fenest, Fracture, Inter, Moldic, Organic, Pinpoint, Vuggy
LITHOLOGY: Anhy, Cht, Congl, Shale, Shgy, Ss, Carb shale, Gray shale, Sandy lmst, Shale, Slt stn
Shaly slst, Slty shale, Blank, Gray lmst, Cream lmst, Red shale, Blue-green siltstn, D. green shale, Green shale, Brown lmst, Brown shale, Brown dol, Brown cream, D. green lmst, Light cream lmst, Gray cream lmst, Green dol, Gray dol
FOSSIL: Algae, Amph, Belm, Bioclst, Brach, Bryozoa, Cephal, Coral, Crin, Echin, Fish, Foram, Fossil
Gastro, Oolite, Ostra, Pelec, Pellet, Pisolite, Plant, Strom, Fuss, Oomold
MINERAL: Anhy, Arggrn, Arg, Bent, Bit, Brecfrag, Calc, Carb, Chtdk, Chtlt, Dol, Feldspar, Ferr, Glau, Gyp, Hvymin, Kaol, Marl, Minxl, Nodule
Phos, Pyr, Salt, Sandy, Silt, Sil, Sulphur, Tuff, Chlorite, Dol, Sand, Slty
STRINGER: Anhy, Arg, Bent, Coal, Dol, Gyp, Ls, Mrst, Sltstrg, Ssstrg, Carbsh, Clystn, Dol, Grysh, Gryslt, Lms, Sandylms, Sh, Sltstn
TEXTURE: Boundst, Chalky, Cryxln, Earthy, Finexln, Grainst, Lithogr, Microxln, Mudst, Packst, Wackest
SORTING: Well, Moderate, Poor
ROUNDING: Rounded, Subrnd, Subang, Angular
OIL SHOWS: Even, Spotted, Ques, Dead, Gas show

Curve Track 1 — ROP (min/ft) | MD | Porosity | Lithology | Geological Descriptions | TG, C1-C5: TG, C1 (units), C2 (units), C3 (units), C4 (units), C5 (units)

Geological Descriptions

LS: gray to buff, microxyln, no visable porosity, poor interxyln porosity, Shale: gray, LS: dirty gray, microxyln, A. A.

LS: gray, finexyln, LS: cream, fossiliferous packstone, No visable porosity, micro cement, Shale: gray/green

LS: gray to cream microxyln, dense, no visable porosity, dark gray peletoid streaks,

LS: cream, microxyln, slight visable porosity, dense, poor interxyln porosity, cryptoxyln streaks, Shale: gray

LS: cream finexyln, oolitic streaks, cryptoxyln streaks, Shale: white/green, LS: gray/brown, mottled, finexyln, no show from this interval.

LS: gray/cream, finexyln, dense, scattered random fossile fragments, Shale: gray blocky, LS: very dark brown, microxyln, dense,

LS: dark gray, microxyln, dense, Shale: gray, fossil fragments, lmy, LS: light gray, dense, mudstone.

Red eagle

LS: gray, finexyln, dense mudstone, Shale: gray to redish gray, soft in part, LS: buff to gray/buff, finexln to microxyln, poor interxyln porosity, LS: light brown speckled, mott, no show, poor interxyln porosity

LS: medium gray, finexyln, mott, poor interxyln porosity, Shale: gray, massive, LS: gray/buff, finexyln, poor interxyln porosity, dense, mott

LS: gray/buff, finexyln, poor interxyln porosity, trace fossiles, no visable porosity, dark gray siltstone in part, scattered fusilinids, Shale: dark gray, massive

LS: light gray/buff with dark gray specks, LS: brown, microxln, dense, LS: dirty gray, silty, finexyln, poor interxyln porosity, Shale: gray to dark gray with fossile fragments

Onega Shale @2774-951

Siltstone: dirty gray, micaceous, friable in part, no show, Sand Stone: gray to light gray, fine grain, micaceous, no fluorescence, no show, friable, Shale: gray, micaceous, fossiliferous, Shale: light green

Siltstone: dirty gray, micaceous, friable in part, no show, Sand Stone: gray to light gray, fine grain, micaceous, no fluorescence, no show, friable, Shale: gray, micaceous, fossiliferous, Shale: light green, scattered loose pyrite

Wabaunsee @2828-1005

LS: gray to very dark gray in part, microxyln, dense, pyritic

LS: buff, finexyln, cyrptoxyln, no vsiable porosity, dense. Shale: green, pyritic, Shale: gray, LS: dirty gray, microxyln, dense, LS: gray/cream, finexyln, mott, Shale: gry

Shale: very dark gray, lmy, fossiliferous fragments, dense. Shale: gray/green to dirty gray, dense, blocky,

LS: buff, finexyln, oolitic packstone, Siltstone: gray clusters, no show, fine grain, Shale: gray

Shale: gray, soft, with dark gray in part, LS: dark gray/brown, microxyln, dense.

Tarkio LS @ 2966-1143

SD. STN: light gray to gray, fine grain, dull pin point fluorescence, oily luster, fair odor when chrushed, micaceous, friable, Shale: gray LS: cream, fossiliferous packstone, Shale: green

no odor from sample, decrease in Sand Stone: fine grain, friable, no to slow cut questionable fleeting cut, no odor,

LS: cream, finexyln, poor interxyln porosity, Shale: gray, calcareous, fossiliferous, Siltstone: A. A.

Emporia

LS: cream, microxyln, dense, blocky, slight visable porosity, questionable stain, no fluorescence, no odor, shale: gray LS: very dark brown, microxyln, in part

LS: cream, microyln, dense, blocky, poor interxyln porosity, Shale: gray LS: brown, microxyln, dense

LS: cream to tan to gray/tan, microxyln, no visable porosity, pyrite, LS: buff, friable, bright fluorescence, broke lazey show of free oil,

Bern LS

LS: cream, fossiferous, poor fluorescence, slight visable fossile moldic porosity, broke lazey show of free oil

LS: gray/brown, finexyln, fossiliferous, fair visable moldic posoity, poor interxyln porosity, no fluorescence, no show, mott, Shale: gray, no show from the tray, mostly LS: crem, microxyln mudstone.

LS: cream, fossiliferous, poor interxyln porosity, rainbow show of oil, slight visable moldic porosity, dull to medium fluorescence, poor interxyln porosity, slight pinpoint stain, milky cut, sample mostly varied colored shale, Shale: light brown, fossiliferous fragments

Howard LS

LS: light brown/cream, spotted, mott, fair interxyln porosity, Shale: gray

flood of: LS: Cream to cream/white, microxln, no visable porosity, poor interxyln porosity, no show, no visable porosity

LS: dark gray/brown, microxyln, dense mudstone, Shale: gray to gray/green

Shale: gray, silty, massive. LS: gray, microxyln, dense, micaceous, shaley, siltstone

Severy Shale

Shale: dirty gray micaceous, silty, Shale: gray, blocky

Shale: dirty gray micaceous, silty, Shale: gray, blocky

Topeka

LS: cream, friable, finexyln, no show

LS: brown, microxyln, dense, LS: cream, finexyln mudstone, LS: dark gray, dense, mudstone, Shale: dark gray, Shale: brown

Displace mud system

LS: cream, friable, fine xyln, no show

LS: brown, microxyln, dense, LS: cream, finexyln mudstone, LS: dark gray, dense mudstone, Shale: dark gray to brown

Analog mud gas detection

LS: gray/brown, microxyln, very blocky, dense, cryptoxyln streaks, Chert: redish brown, LS: gray/buff, microxyln, very dense, Shale: dark gray

Pason mud gas detection

Dear Creek

LS: gray to dark gray mudstone, dense, no visable porosity, LS: cream/buff, finexyln, poor interxyln porosity, Shale: black

no odor from the sample, LS: white, chky LS: buff, random and rare vuggular porosity, scattered xyln porosity with calcite, LS: gray, microxyln, dense, LS: buff, finexyln, poor interxyln porosity, Shale: black

Tecumseh Shale

LS: gray, dense, microxyln, Shale: silty gray, Siltstone: gray, laminar streaks.

Lecompton

LS: brown, fossile hash, slight visable fossile moldic porosity, no show, Shale: black, very dense laminar in part dense. Shale: gray, Shale: black, pyritic

Shale: black, LS: cream to cream/dark brown, soft friable, cryptoxyln, very dense in part

LS: cream, with sct coarse calsite crystals, LS; white, chky, LS: dark brown, microyln, cryptoxyln, poor interxyln porosity

Oread LS

LS: white,chky, no odor from the sample, no fluorescence,

LS: cream/gray, finexyln, friable, mott, LS: tan, microxyln mudstone, dense, Shale: dark gray

Queen Hill Shale

Shale: black to gry, LS: gray, microxyln, dense, LS: cream, finexyln, friable, no show

LS: gray finexyln, silty, LS: cream/brown/gray, finexln, mott, Shale: black, carb

Heebner Shale @ 3713-1890

flood of black carboniferous Shale, LS: dark gray, microxyln, dense mudstone.

Shale: black, Shale: gray/green, LS: dark brown, microxyln, dense LS: gray to light gray/buff, microxyln, very dense, Shale: gray

Shale: gray sample mostly shale

Shale: gray, LS: dirty gray, dense, no visable porosity, Siltstone: dirty gray, no show, fine grain, Shale: gray,

Shale: gray, LS: dark gray, microxyln, dense, oolitic streaks in part

Shale: gray, Siltstone: dirty gray, very dense

Shale: gray, Siltstone: dark gray, laminar, very dense

Haskel@ 3872-2049

Siltstone: light gray, friable in part, no show, LS: dark gray, microxyln, dense, sluff? sample mostly shale

Lansing

LS: dirty brown, finexyln, poor interxyln porosity, LS: dark gray/brown, microxyln, no visable porosity, Shale: green

LS: brown to light brown, microxyln, very dense. Shale: dark brown,

slight show of dead oil stain

LS: cream, very small pin point dead oil stain, slight fluorescence, scattered edge stain with edge fluorescence, no odor, show of free oil, LS: cream, finexyln, friable, no show

LS: cream, finexyln, slight visable pinpoint porosity, friable, no show LS: dark brown, very dense, blocky, Shale: gray

LS: cream.tan, finexyln, poor interxyln porosity mudstone, Chert: brown, sharp,LS: white, chky,

LS: dirty cream/brown/gray, finexyln, friable, in part with Shale: brown, LS: brown, dense,

LS: white, chky, LS: tan/brown, finexyln, friable in part sct dark brown cryptoxyln pieces, no show

LSD: white chky, LS: dirty brown, finexlyn oolmoldic-oolitic packstone, no show

LS: cream, friable, chlky in part, no show, Shale: gray

LS: white, chky, LS: gray to gray/tan, microxyln, very dense, no visable porosity, blocky, packstone to oolitic packstone, no visable porosity

very slight odor from the sample, LS: white chky, LS: light brown, fair visable oolcastic porosity, fair interxyln porosity, no fluorescence from the sample.

LS white, chky no odor, LS: cream, fine xyln, with edge stain with bright edge fluorescence. LS: cream, finexyln, fossiliferous pack stone, with slight visable porosity, slight stain, no cut, fractured, stained sutures scattered edge fluorescence, mostly LS: cream, friable, chky in part

LS: cream, oolitic pack stone, LS: cream, finexyln, friable mudstone, Chert: smoky gray, Shale: gray, no show from sample

LS: dirty gray/cream, finexyln, mudstone, Shale: gray,

LS: white, chky, LS: cream, finexyln, friable, LS: dirty cream, oolitic, no oolitic porosity, no odor or no show from sample, Shale: gray

DST #1: 4177 to 4200

slight odor from the sample, LS: cream, fair to good oolcastic porosity, slight stain,

Stark SH 4184-2361

Swope @ 4187-2364

LS: cream, oolitic with scattered fair visable oolcastic porosity, slight stain in wet samples good even stain in dry samples, slight odor from sample, poor cut, no show of free oil in wet samples, scattered fair to good fluorescence, fair interxyln porosity,

Shale: dark gray, dense, LS: cream/gray, microxyln dense,

Hertha

LS: dark tan/brown, microxyln, dense, LS: dark gray, dense, mudstone, poor interxyln porosity, mott, LS: cream/gray, microxyln, dense, mudstone, no show from sample

Chert: smoky semi trans, sharp, LS: gray/cream, finexyln, poor interxyln porosity, no visable porosity, Shale: gray, LS: cream/gray, finexyln to microxyln, poor interxyln porosity, scattered friable pieces, no vsiable porosity, Shale: gray/green blocky. Shale: black, LS: black, dense, fossile hash, Shale: gray with crinoid fossile fragments

LS: brown, micoxyln, very dense mudstone, LS: cream/gray, finexyln, friable, LS: cream to gray/cream, finexyln in part, with scattered black shale suture lines. LS: tan, microxyln, very dense, sharp glassey

no odor, Shale: black, dense, LS: tan, microxyln,very dense, questionable dead oil stain-spotty in part, no fluorescence, two rocks very bright fluorescence, LS: tan/gray microxyln mudstone.

LS: cream, scattered brown, stain, and or dead oil stain, poor fluorescence, no odor

DST #2

Mississippian @4340 -2517

Chert: white to off white, dark brown stain, dull yellow fluorescence, scattered fair tripolitic porosity, rare show of free oil, no odor, Chert: white, fresh, sharp, no fluorescence, no show, Shale: gray

Chert: white, sharp scattered black stained, with tripolitic edges with slight visable porosity, with fair to strong heavy cut,

LS: gray/brown, mediumxyln, no visable porosity, poor interxyln porosity,

Chert: semi clear, sharp, fractured, scattered orfin tripolitic porosity with heary black stain, staining on fracture faces, poor fluorescence from sample tray, no show of free oil in tray and no odor from sample

LS: tan/gray/brown, microxyln, dense no visable porosity, no show to fracture face dark black dead oil stain-one piece.

Kinderhook Shale@ 4432-2609

Shale: dirty gray to green/gray

Shale: gray, silty

Siltstone: gray, silty, massive, calcareous streaks

Shale: silty, calcareous, gray dense, laminar, Chert: white, semi clear, sharp sluff:

Shale: gray with dark brown fluorescence spores. Shale: gray lmy silty, A.A.

Shale: gray, lmy silty, 1 piece of dirty dark brown shaley sand stone with dead oil stain

Viola @ 4527-2704

LS: dirty gray, coarsexyln, spotty fluorescence, fair interxyln porosity, friable, no odor.

LS: white, coarsexyln, sct bright fluorescence, friable, questionable show of free oil under black light, most of sample barren no show.

no odor from sample, LS: white to off white, coarsexyln, Chert: smokey brown, semi clear, with dark brown flecks, sharp.

Chert: A.A.. LS: dark brown, finexln with fine grain quartz grains, LS: cream/brown, microxln, dense

LS: dark brown, microxyln, dense, Chert: dark smokey brown, sharp, semi transulent, scattered healed fractures LS: cream/brown, finexyln, friable,

Chert: brown to dark brown, scattered edge fluorescence, LS: cream/brown to bronw, finexyln to microxyln with fine grain quartz grains.

LS: off white, mottled, coarsexyln, friable, LS: brown to dark brown, microxyln, very dense, LS: A.A.

Base/Viola@ 4640-2817

Simpson Sand @ 4644-2821

SD.STN: light gray, fine grain, clusters, no show, friable, shaley in part, no fluorescence. SD. STN: light green gray, fine grain, poor intergranular porosity, Shale: green, SD. STN: fine grain, poorly sorted, subangular, friable, no show, slightly frosted grains.

SD.STN: Whiteish green to brownish/white, dark brown in part, fine grain, small amount of chlorite, dolomitic in part, subangular, no show

Shale: green, waxey, scattered pyrite

Shale: emerald green, waxey, scattered included sand stone grains, SD. STN: fine grain, subrounded, friable, chlorite, no show, clear grains in part

Arbuckle @ 4744-2921

Dolomite: tan, fine granular, poor intergranular porosity, no visable porosity, no show

Dolomite: tan/gray, very fine granular, dense no visable porosity.

Dolomite: tan, very fine granular, no visable porosity, no show. poor intergranular porosity

Dolomite: tan to cream/tan, very fine granular, dense, no visable porosity

RTD @ 4815

Quality Well Service, Inc.

Invoice

PO Box 468
Pratt, KS 67124

Date	Invoice #
10/22/2019	C-2170

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

P.O. No.	Terms	Lease Name
		Bouziden #1-31

Description	Qty	Rate	Amount
Common	225	15.50	3,487.50
Gel	426	0.22	93.72
Calcium	635	1.20	762.00
Flo-Seal	113	3.70	418.10
Sugar	100	0.75	75.00
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		-1,768.06	-1,768.06
Discount Expires after30 days from the date of the invoice		0.00	0.00
Bouziden #1-31			
Barber Co.			

Thank You for your business!

Subtotal	$5,304.21
Sales Tax (7.5%)	$0.00
Total	$5,304.21

QUALITY WELL SERVICE, INC.

7245

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 10-18-19	31	30S	12W	Barber	Ks		

Lease Bauziden | Well No. 1-31 | Location Elm Mills W to Minnona Rd 2 S to Park Rd

Contractor Fossil Drlg #3		Owner 125 E Sinto
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 12¼	T.D. 350'	
Csg. 8 5/8 24#	Depth 348	Charge To Val Energy Inc.
Tbg. Size	Depth	Street
Tool	Depth	City State
Cement Left in Csg.	Shoe Joint 20	The above was done to satisfaction and supervision of owner agent or contractor.
Meas Line	Displace 20.86	Cement Amount Ordered 225 sx Common 2% Gel 3% CC ½# PS

EQUIPMENT

Pumptrk 8	No.	
Bulktrk 7	No.	
Bulktrk	No.	
Pickup	No.	

JOB SERVICES & REMARKS

Rat Hole
Mouse Hole
Centralizers
Baskets
D/V or Port Collar

Ran 8 Jt's 8 5/8 24# CSG set @ 348'
Start CSG CSG on Bottom
Hook up to CSG & Break Circ w/ Rig
Start Pumping 10 bbls H2O
Start Mix & Pump 225 sx Common
2% Gel 3% CC ½# PS @ 14.8#/Gal
Start Disp
20.8 Bbls out
Close Valve on CSG. 150#
Good Circ thru JOB
Circ Cmt to Pit

THANK YOU
PLEASE CALL AGAIN
TODD TJ JAKE

X Signature [signature]

Common 225 sx	
Poz. Mix	
Gel. 423 #	
Calcium 635 #	
Hulls	
Salt	
Flowseal 113 #	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling 242	
Mileage 25 / 6050	
FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down 100# SUGAR	
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 #
10/31/2019	C-2176

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

P.O. No.	Terms	Lease Name
		Bouziden #1-31

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
Bouziden #1-31			
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.

7252

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 10-26-19	31	30S	12W	Barber	KS		

Lease Bowlden | Well No. 1-31 | Location Elm Mills W to Mingona Rd 2 S to Pace Rd

Contractor Fossil Drlg Rig #3		Owner 25 E S. into	
Type Job PTA		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. 4815		
Csg.	Depth	Charge To Vol Energy Inc	
Tbg. Size 4 1/2 DP	Depth 4746'	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. 75			Common 132 sx	
Bulktrk 10	No. Sake			Poz. Mix 88 sx	
Bulktrk	No.			Gel. 757 #	
Pickup	No.			Calcium	

JOB SERVICES & REMARKS		
Rat Hole 30 sx	Salt	
Mouse Hole 20 sx	Flowseal	
Centralizers	Kol-Seal	
Baskets	Mud CLR 48	
D/V or Port Collar	CFL-117 or CD110 CAF 38	
1st Plug @ 4746' 50 sx 60/40 4% Gel	Sand	
Pump H2O	Handling 228	
Mix & Pump 50 sx 60/40 4% Gel	Mileage 25 / 5700	
Pump H2O	**FLOAT EQUIPMENT**	
Disp mud	Guide Shoe	
2nd Plug @ 650' 50 sx 60/40 4% Gel	Centralizer	
Pump H2O	Baskets	
Mix & Pump 50 sx 60/40 4% Gel	AFU Inserts	
Disp H2O	Float Shoe	
3rd Plug @ 390' 50 sx 60/40 4% Gel	Latch Down	
Pump H2O	Service Supv 1 EA	
Mix & Pump 50 sx 60/40 4% Gel	LMV 25	
Disp H2O	Pumptrk Charge PTA	
4th Plug @ 60' 20 sx 60/40 4% Gel	Mileage 50	
Mix & Pump 20 sx 60/40 4% Gel	Tax	
	Discount	
X Signature	Total Charge	

Taylor Printing, Inc.