KOLAR Document ID: 1472886

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 #	API No.:
Name:	Spot Description:
Address 1:	SecTwpS. R □East □ West
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
☐ Oil ☐ WSW ☐ SWD	Producing Formation:
Gas DH EOR	Elevation: Ground: Kelly Bushing:
□ OG □ GSW	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:  Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if fladied offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
Recompletion Date  Recompletion Date	County: Permit #:

#### **AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

**Submitted Electronically** 

KCC Office Use ONLY				
Confidentiality Requested				
Date:				
Confidential Release Date:				
☐ Wireline Log Received ☐ Drill Stem Tests Received				
Geologist Report / Mud Logs Received				
UIC Distribution				
ALT I II Approved by: Date:				

KOLAR Document ID: 1472886

### Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a     Does the volume     Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Val Energy, Inc.
Well Name	SCHMADERER 1-23
Doc ID	1472886

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	24	292	SURFACE BLEND	200	NA



# **WESLEY D. HANSEN Consulting Petroleum Geologist**

212 N. Market, Suite 257, Wichita, KS 67202

Cellular 316.772.6188 whansen4651@sbcglobal.net

KGS AAPG #799479 Kansas License #418

# LITHOLOGY STRIP LOG

# **WellSight Systems**

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

Well Name: VAL Energy, Inc. #1-23 Schmaderer

API: 15-153-21239

Location: 1983' FNL, 969' FEL of Section 23-4S-32W

License Number: 5822 Region: Rawlins County, Kansa

Spud Date: 8-30-2019 Drilling Completed: 9-05-2019

Surface Coordinates: 1983' FNL, 969' FEL of Section 23-4S-32W

**Bottom Hole Vertical hole** 

**Coordinates:** 

Ground Elevation (ft): 2944' K.B. Elevation (ft): 2949' Logged Interval (ft): 3500 To: RTD Total Depth (ft): 4600'

Formation: Mississippian at RTD

Type of Drilling Fluid: Chemical - displaced at 3519'

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

### **OPERATOR**

Company: VAL Energy, Inc. Address: 125 N. Market

Suite 1110

Wichita, KS 67202-1728

### **GEOLOGIST**

Name: Wesley D. Hansen

Company: Wesley D. Hansen - Consulting Petroleum Geologist

Address: 212 N. Market, Suite 257

Wichita, KS 67202 Cellular: 316-772-6188

### **COMMENTS**

**Contractor: WW Drilling Rig 10** 

**Pusher: Ricky Hilgers** 

Surface Casing: 8 5/8" set at 292' w/220 sx

**Production Casing: P&A** 

Mud by: MudCo - Reid Atkins was the engineer.

DST's by: Trilobite - Shawn Wheelbarger was the tester.

Logs by: Pioneer Wireline (DIL, CN-CD, MEL) - Justin Henrickson was the engineer.

Deviation Surveys: 1/4 deg. @292'; 1/4 deg. @1011'; 3/4 deg. @1455'; 1/2 deg. @1955'; 1/2 deg. @2472'; 3/4

deg. @2980'; 1/2 deg. @4000'; 1/2 deg. @4600'

# **BIT RECORD**

Bit #	Size	MFG	Type	Depth Out	Footage Cut	Hours on bit
1	12 1/4"	STC	Tooth	292'	292'	2.5
2	7 7/8''	STC	F27IY	4600'	4308'	88 3/4

# FORMATION TOPS AND STRUCTURAL COMPARISON

FORMATION	SAMPLE TOPS Depth Datum 2949' KB	LOG TOPS Depth Datum 2949' KB	COMPARISON WELL Samuel Gary #1-19 Schmidt 1750' FNL, 330' FWL of 19-4-31W 2814' KB
Anhydrite	2682' +267	2684' +265	2568' +246
B/Anhydrite	2719' +230	2718' +231	2600' +214
Topeka	3770' -821	3772' -823	3658' -844
Heebner Shale	3889' -940	3888' -939	3778' -964
Lansing	3932' -983	3934' -985	3823' -1009
Muncie Creek Sh.	4036' -1087	4038' -1089	3927' -1113
Stark Shale	4108' -1159	4106' -1157	3995' -1181
Hushpuckney Sh.	4141' -1192	4138' -1189	4025' -1211
BKC	not picked	4162' -1213	4050' -1236
Pawnee	4286' -1337	4284' -1335	4160' -1346
Fort Scott	4312' -1363	4312' -1363	4198' -1384
Cherokee Shale	4340' -1391	4338' -1389	4218' -1404
Mississippian Chert	4488' -1539	4492' -1543	4378' -1564
Mississippian Lime RTD	4516' -1567	4516' -1567	4398' -1584
LTD	4600' -1651	4600' -1651	

# DRILL STEM TESTS

DST No. 1 Lansing "C" and "D"

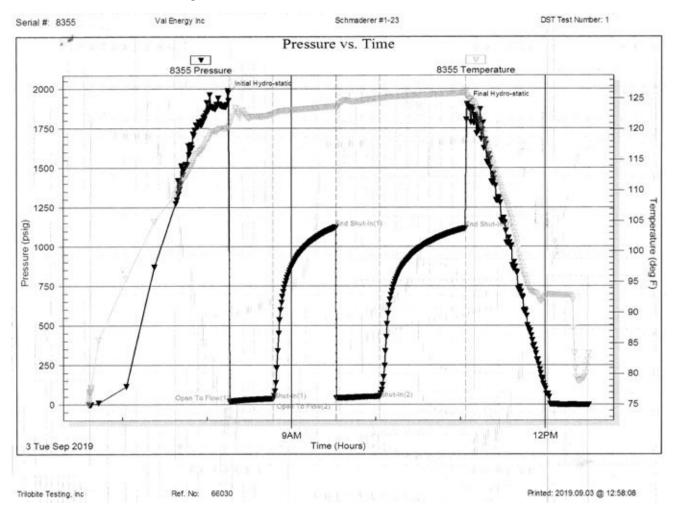
Interval: 3950'-4000' Times: 30-45-30-60

Recovery: 91' OSM (3%o, 97%m) FP: 18-37/41-51 SIP: 1124-1118 HP: 1974-1904 BHT: 126 deg. F IFP: weak blow built to 1 1/4 inches

ISIP: no return blow

FFP: weak surface blow, built to 1/4 inch

FSIP: no return blow



# DRILL STEM TESTS

DST No. 2 Lansing "F" and "G"

Interval: 3996'-4050' Times: 15-60-15-60

Recovery: 172' HWCM (30w, 70m); 376' SWCW

(9m, 91w), chl. 23,000

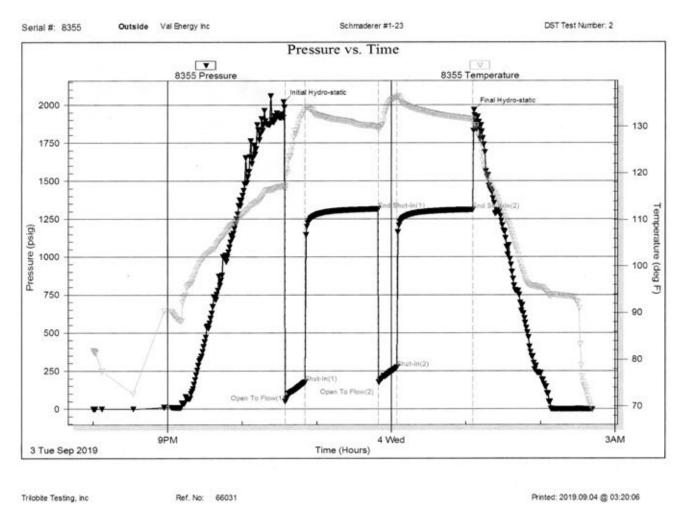
FP: 49-175/178-272 SIP: 1315-1312 HP: 2018-1965 BHT: 130 deg. F IFP: 1 inch blow at open, BOB in 7 minutes, built

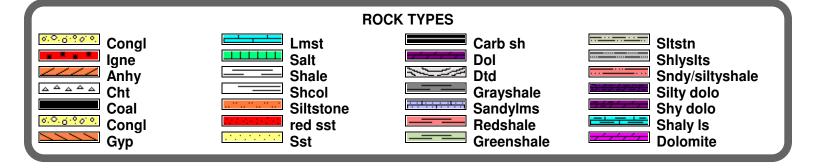
to 24 1/4 inches ISIP: no return blow

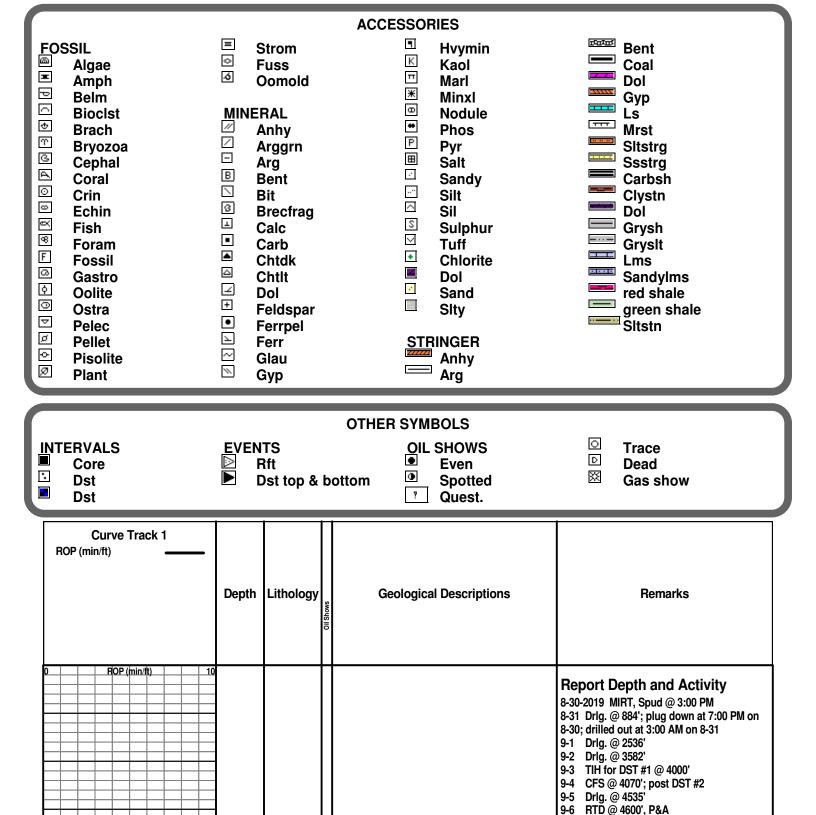
FFP: BOB in 7 minutes 45 seconds, built to 19 1/2

inches

FSIP: no return blow



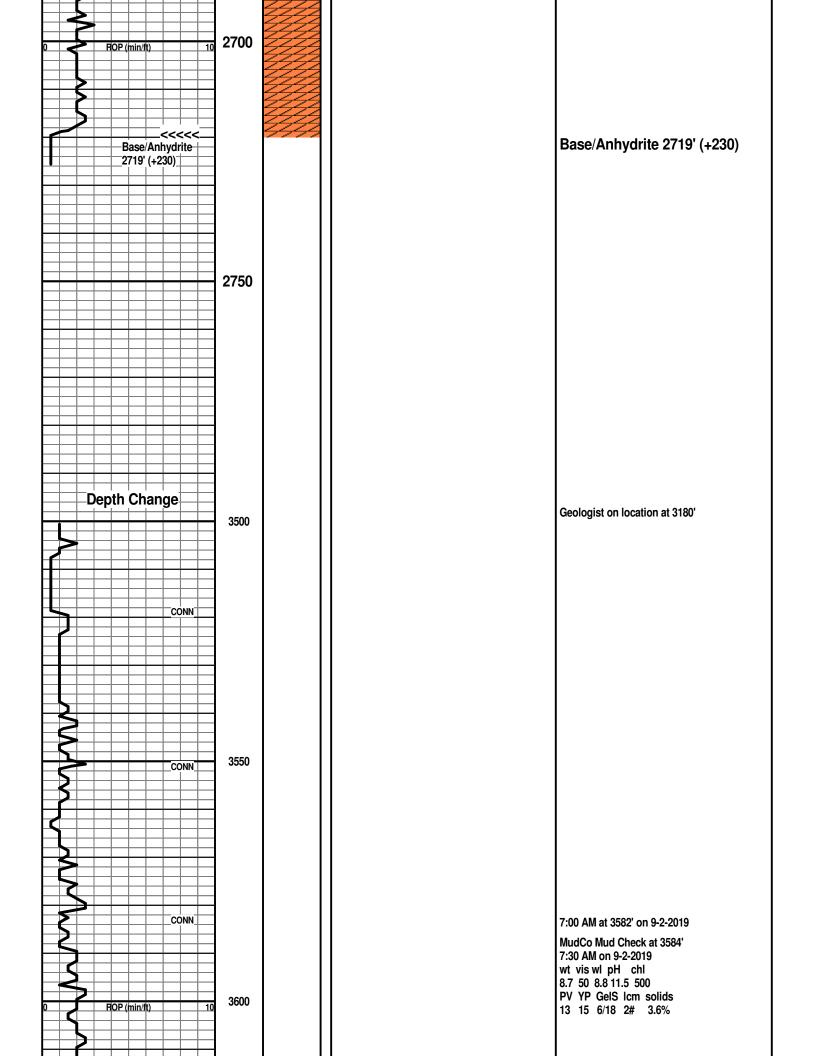


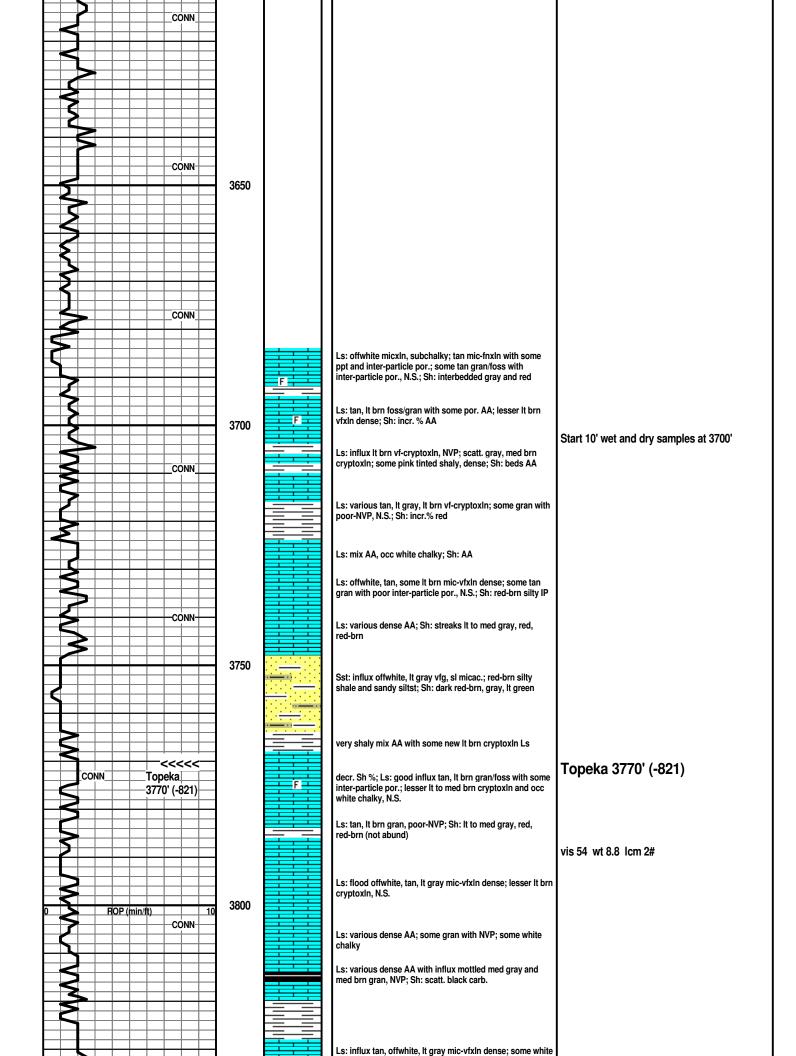


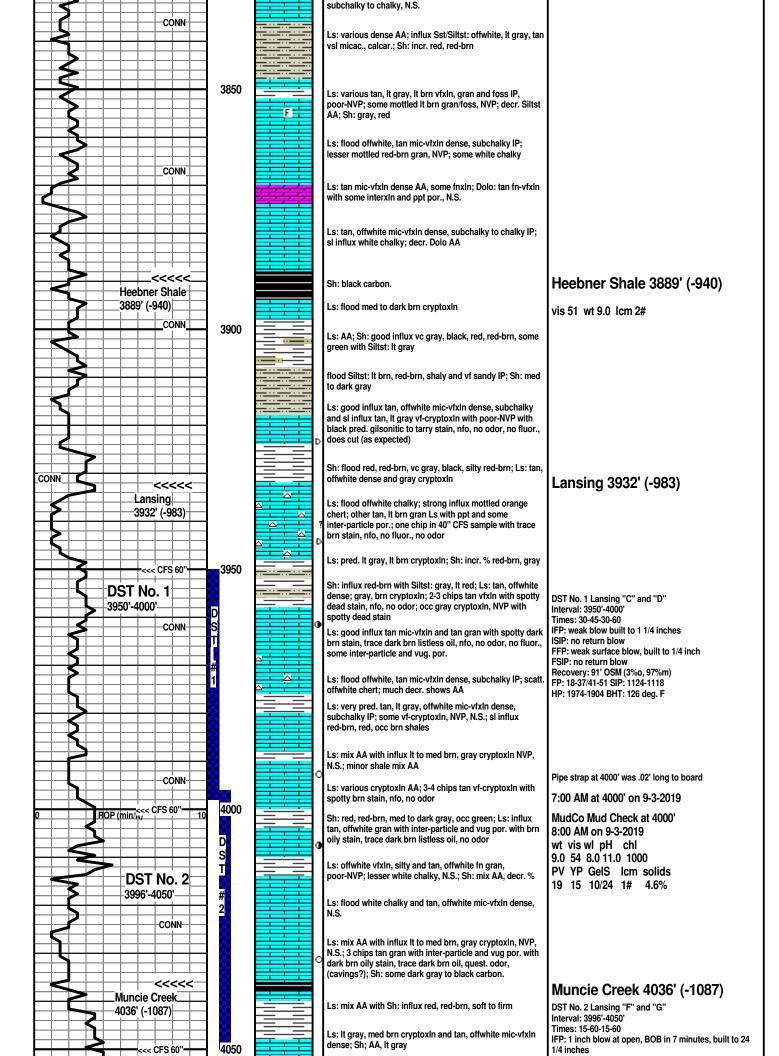
Anhydrite 2682' (+267)

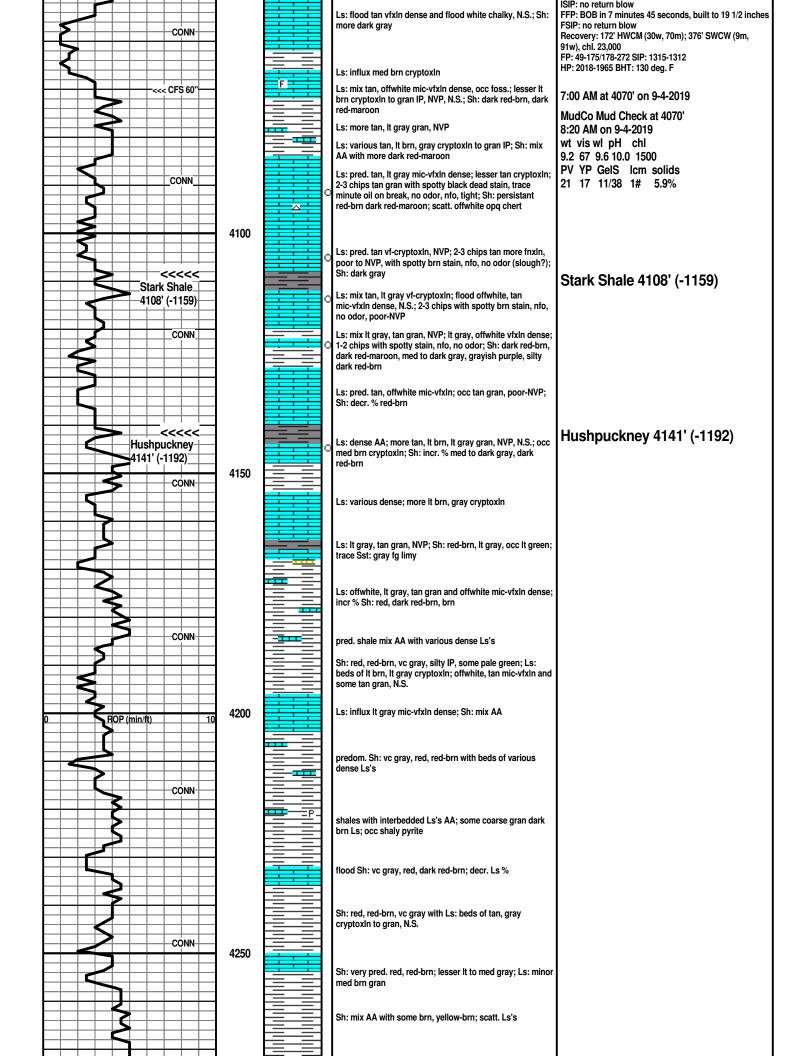
2650

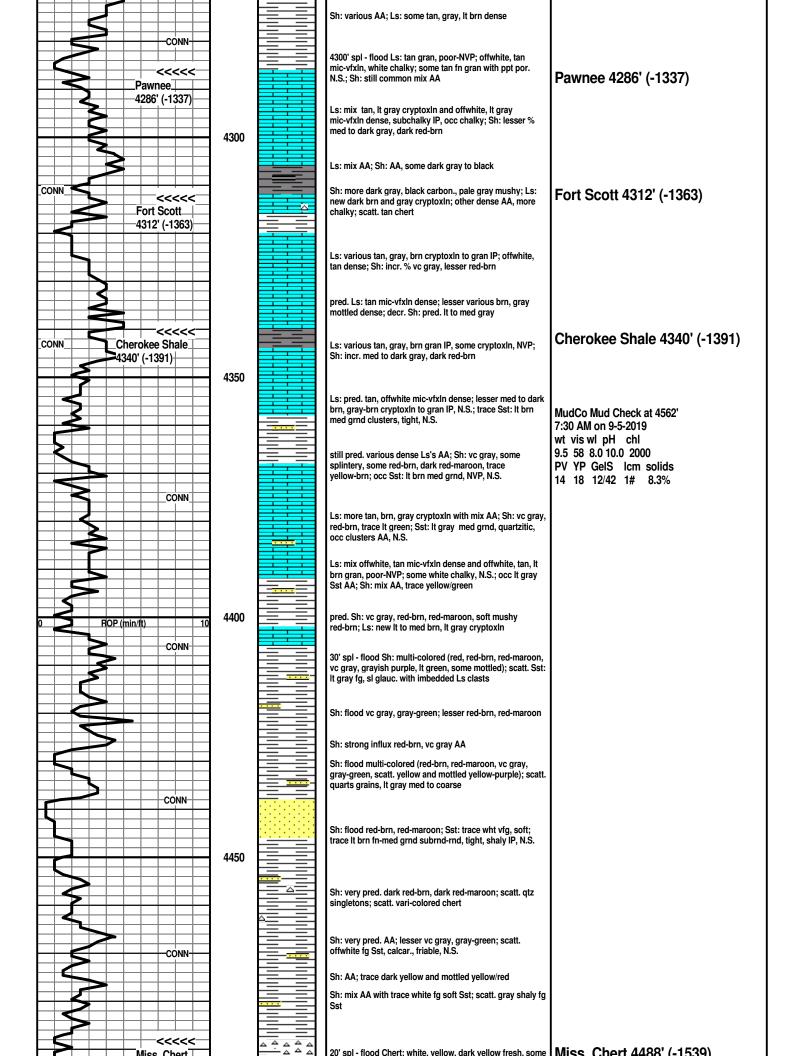
<<<<

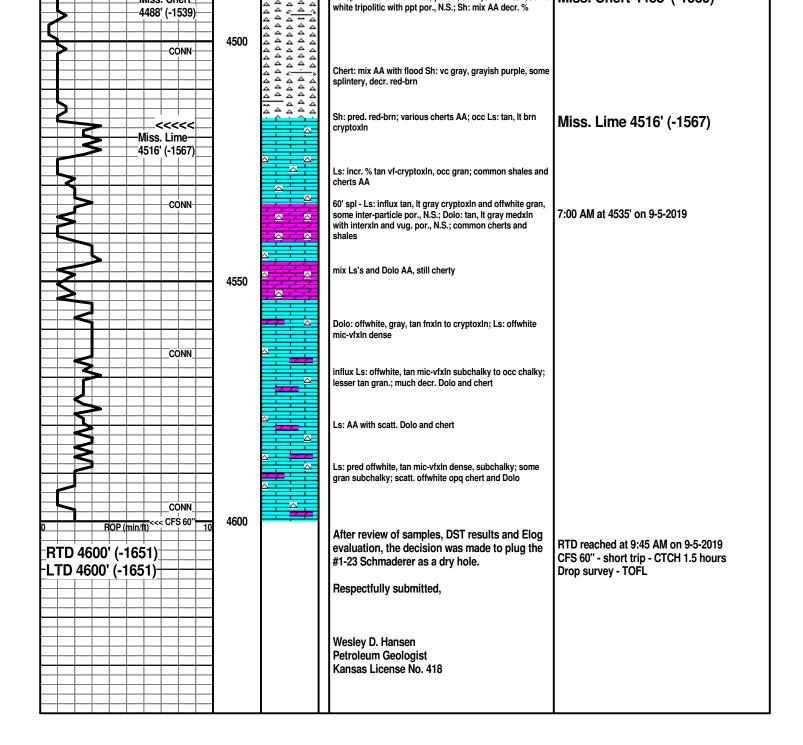














Val Energy Inc

23/4s/32w Rawlins KS

125 N Market St STE 1110 Wichita KS 67202

Schmaderer #1-23

Job Ticket: 66030

DST#: 1

ATTN: Wes Hansen

Test Start: 2019.09.03 @ 06:36:00

# GENERAL INFORMATION:

Formation: Lansing C-D

Deviated: Whipstock: ft (KB)

Time Tool Opened: 08:16:10 Time Test Ended: 12:31:20

3950.00 ft (KB) To 4000.00 ft (KB) (TVD)

Total Depth: 4000.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Bottom Hole (Initial)

Unit No:

Shaw n Wheelbarger

2949.00 ft (KB)

Reference Elevations:

2944.00 ft (CF) KB to GR/CF: 5.00 ft

Serial #: 8355

Interval:

Press@RunDepth: 51.36 psig @ ft (KB)

Start Date: 2019.09.03 Start Time: 06:36:01

End Date:

End Time:

2019.09.03

Capacity: Last Calib.:

Tester:

8000.00 psig 2019.09.03

12:31:20

Time On Btm: 2019.09.03 @ 08:15:20

Time Off Btm:

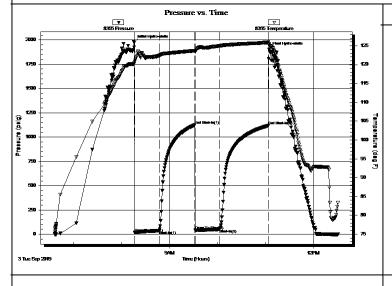
2019.09.03 @ 11:04:39

TEST COMMENT: 30-IF-1/4" Blow @ open Built to 1 1/4"

45-ISI-No blow back

30-FF-Weak surface blow built to 1/4"

60-FSI- No blow



# PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1973.67	120.23	Initial Hydro-static
1	18.37	120.71	Open To Flow (1)
32	36.99	122.39	Shut-In(1)
77	1124.17	123.68	End Shut-In(1)
77	40.88	123.35	Open To Flow (2)
108	51.36	124.98	Shut-In(2)
169	1118.22	125.87	End Shut-In(2)
170	1903.74	125.47	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
91.00	OSM, 3%O, 97%M	0.45
		· · · · · · · · · · · · · · · · · · ·

#### Gas Rates

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

Trilobite Testing, Inc. Ref. No: 66030 Printed: 2019.09.03 @ 14:29:46



Val Energy Inc 23/4s/32w Rawlins KS

125 N Market St STE 1110 Wichita KS 67202 Schmaderer #1-23

Job Ticket: 66030 **DST#:1** 

ATTN: Wes Hansen Test Start: 2019.09.03 @ 06:36:00

# **GENERAL INFORMATION:**

Formation: Lansing C-D

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 08:16:10 Tester: Shaw n Wheelbarger

Time Test Ended: 12:31:20 Unit No: 7

Interval: 3950.00 ft (KB) To 4000.00 ft (KB) (TVD) Reference Elevations: 2949.00 ft (KB)

Total Depth: 4000.00 ft (KB) (TVD) 2944.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8645

 $\label{eq:press} \text{Press} @ \text{RunDepth:} \qquad \qquad \text{psig} \ \ @ \qquad \qquad \text{ft (KB)} \qquad \qquad \text{Capacity:} \qquad \qquad 8000.00 \ \ \text{psig}$ 

Start Date: 2019.09.03 End Date: 2019.09.03 Last Calib.: 2019.09.03

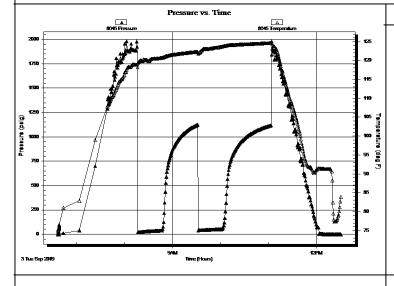
Start Time: 06:36:01 End Time: 12:30:50 Time On Btm: Time Off Btm:

TEST COMMENT: 30-IF-1/4" Blow @ open Built to 1 1/4"

45-ISI-No blow back

30-FF-Weak surface blow built to 1/4"

60-FSI- No blow



T:	D	т	A 4 - 4:	
Time	Pressure	Temp	Annotation	
(Min.)	(psig)	(deg F)		
()	(60.9)	(409.)		

PRESSURE SUMMARY

### Recovery

Length (ft)	Description	Volume (bbl)
91.00	OSM, 3%O, 97%M	0.45
	-	

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

Trilobite Testing, Inc Ref. No: 66030 Printed: 2019.09.03 @ 14:29:46



**FLUID SUMMARY** 

Val Energy Inc

23/4s/32w Rawlins KS

125 N Market St STE 1110 Wichita KS 67202

Schmaderer #1-23

Job Ticket: 66030

Serial #:

DST#: 1

ATTN: Wes Hansen

Test Start: 2019.09.03 @ 06:36:00

### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 54.00 sec/qt Cushion Volume: bbl

7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1000.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

Water Loss:

# Recovery Table

Length ft	Description	Volume bbl	
91.00	OSM, 3%O, 97%M	0.448	

Total Length: 91.00 ft Total Volume: 0.448 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 66030 Printed: 2019.09.03 @ 14:29:47

Trilobite Testing, Inc

Ref. No: 66030

Printed: 2019.09.03 @ 14:29:47

Serial #: 8645

Val Energy Inc

Schmaderer #1-23

DST Test Number: 1



Val Energy Inc

23/4s/32w Rawlins KS

125 N Market St STE 1110 Wichita KS 67202

Schmaderer #1-23

Job Ticket: 66031

DST#: 2

ATTN: Wes Hansen

Test Start: 2019.09.03 @ 20:00:00

# GENERAL INFORMATION:

Formation: Lansing F-G

Deviated: Whipstock: ft (KB)

Time Tool Opened: 22:34:10 Time Test Ended: 02:41:50

Interval:

3996.00 ft (KB) To 4050.00 ft (KB) (TVD)

Total Depth: 4050.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Bottom Hole (Reset)

Tester:

Shaw n Wheelbarger

Unit No:

Reference Elevations:

2949.00 ft (KB)

2944.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8355 Outside

Press@RunDepth: 272.39 psig @ 3997.00 ft (KB)

Start Date: 2019.09.03 Start Time: 20:00:01

End Date: End Time: 2019.09.04 02:41:50 Capacity: Last Calib.: 8000.00 psig

Time On Btm:

2019.09.04 2019.09.03 @ 22:33:10

Time Off Btm:

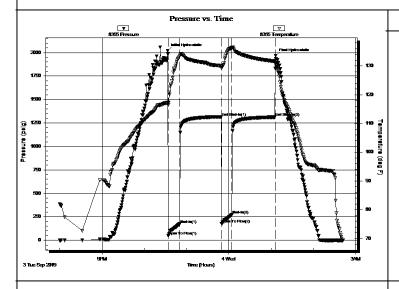
2019.09.04 @ 01:06:30

TEST COMMENT: 15-IF-1" Blow @ open BOB in 7 mins built to 24 1/4"

60-ISI-No blow back

15-FF-BOB in 7 mins 45 secs blow built to 19 1/2"

60-FSI-No blow



### PRESSURE SUMMARY

Time	Pressure   Temp		Annotation		
(Min.)	(psig)	(deg F)			
0	2018.26	117.24	Initial Hydro-static		
1	49.05	116.48	Open To Flow (1)		
17	174.70	133.40	Shut-In(1)		
77	1314.91	129.88	End Shut-In(1)		
77	177.62	129.24	Open To Flow (2)		
92	272.39	136.25	Shut-In(2)		
153	1312.36	131.56	End Shut-In(2)		
154	1964.86	130.09	Final Hydro-static		

### Recovery

Length (ft)	Description	Volume (bbl)					
376.00	SMCW, 91%W, 9%M	4.16					
172.00	HWCM 30%W, 70%M	2.41					
* Recovery from multiple tests							

### Gas Rates

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

Trilobite Testing, Inc. Ref. No: 66031 Printed: 2019.09.04 @ 07:23:51



Val Energy Inc 23/4s/32w Rawlins KS

125 N Market St STE 1110 Wichita KS 67202

Schmaderer #1-23

Job Ticket: 66031

DST#: 2

ATTN: Wes Hansen

Test Start: 2019.09.03 @ 20:00:00

# GENERAL INFORMATION:

Formation: Lansing F-G

Deviated: Whipstock: ft (KB)

Time Tool Opened: 22:34:10 Time Test Ended: 02:41:50

Interval: 3996.00 ft (KB) To 4050.00 ft (KB) (TVD)

Total Depth: 4050.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair Test Type: Conventional Bottom Hole (Reset)

Tester: Shaw n Wheelbarger

Unit No:

2949.00 ft (KB)

Reference Elevations:

2944.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8645 Inside

Press@RunDepth: 3997.00 ft (KB) psig @

Start Date: 2019.09.03

Start Time: 20:00:01

End Date:

2019.09.04 End Time: 02:41:30 Capacity:

8000.00 psig 2019.09.04

Last Calib.:

Time On Btm:

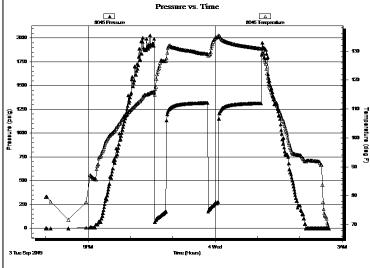
Time Off Btm:

TEST COMMENT: 15-IF-1" Blow @ open BOB in 7 mins built to 24 1/4"

60-ISI-No blow back

15-FF-BOB in 7 mins 45 secs blow built to 19 1/2"

60-FSI-No blow



# PRESSURE SUMMARY

	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
,				
Tamparetine (des E)				
,				
,				

### Recovery

Length (ft)	Description	Volume (bbl)					
376.00	SMCW, 91%W, 9%M	4.16					
172.00	HWCM 30%W, 70%M	2.41					
* Recovery from multiple tests							

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mct/d)
--	----------------	-----------------	------------------

Trilobite Testing, Inc. Ref. No: 66031 Printed: 2019.09.04 @ 07:23:51



**FLUID SUMMARY** 

Val Energy Inc

23/4s/32w Rawlins KS

125 N Market St STE 1110 Wichita KS 67202

Schmaderer #1-23

Job Ticket: 66031

DST#: 2

ATTN: Wes Hansen

Test Start: 2019.09.03 @ 20:00:00

### **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: 23000 ppm

Viscosity: 58.00 sec/qt Cushion Volume: bbl

Water Loss: 7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1000.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

### Recovery Table

Length ft	Description	Volume bbl
376.00	SMCW, 91%W, 9%M	4.163
172.00	HWCM 30%W, 70%M	2.413

Total Length: 548.00 ft Total Volume: 6.576 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .369@ 63 DEG F

Trilobite Testing, Inc Ref. No: 66031 Printed: 2019.09.04 @ 07:23:51

80

70

90

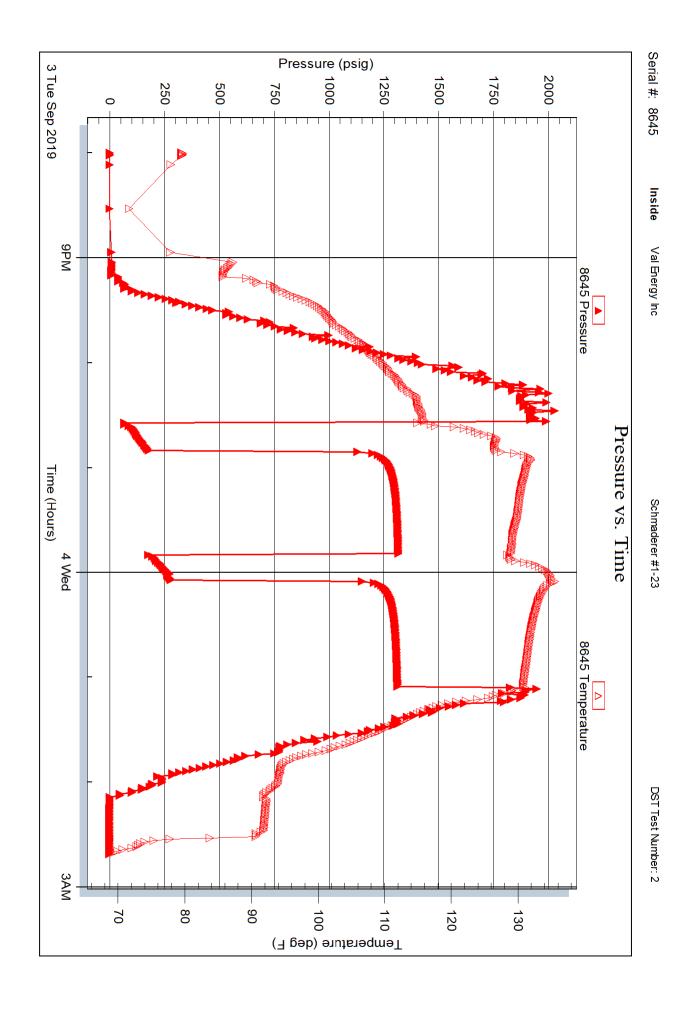
Temperature (deg F)

130

120

Trilobite Testing, Inc

Ref. No: 66031



Trilobite Testing, Inc

Ref. No: 66031

Printed: 2019.09.04 @ 07:23:51



Remit To: Hurricane Services, Inc. 250 N. Water, Suite 200 Wichita, KS 67202 316-303-9515

Customer:

VAL ENERGY, INC. 125 N MARKET STE 1710 Wichita, KS 67202

Invoice Date: Invoice #: Lease Name:

0343629 Schmaderer 1-23

9/6/2019

Well#: County: Job Number:

Rawlins ICT2349

D. 4. /D a visting	HRS/QTY	Rate	Total
Date/Description			
Plug to Abandon	0.000	0.000	0.00
Cement Pump	1.000	637.500	637.50
**************************************	45.000	3.400	153.00
Heavy Eq Mileage	45.000	1.700	76.50
Light Eq Mileage	240.000	11.050	2,652.00
H-Plug			612.00
Ton Mileage	480.000	1.275	
Wooden plug 8 5/8"	1.000	127.500	127.50

4,258.50 Net Invoice 200.56 Sales Tax: 4,459.06 Total

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice. SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.



**HURRICANE SERVICES INC** 

				Debugdenn 4 22				Date	9/6/2	019
Customer	Val Energy Lease & Well # Schmaderer 1-23				23-4s-32v	N	Job#			
Service District	Oakley, KS		County & State		Legals S/T/R New Well?		No	Ticket#	ICT	2349
Job Type	PTA	☑ PROD	□ INJ	□ SWD		ion of Hazards & S	The second second			
Equipment #	Driver				llysis - A Discuss	□ Lockout/Tagout		Warning Signs &	Flagging	
73	Miles Shaw Hard nat		□ Gloves		□ Required Permit		Fall Protection			
208	Jimmei Cottrell	☐ H2S Monitor		☐ Eye Protection	etion	□ Slip/Trip/Fall Ha		Specific Job Sequ	ence/Expecta	tions
181/256	Jesse Jones	☐ Safety Footwe		☐ Respiratory Prote ☐ Additional Chemi		□ Overhead Hazar		Muster Point/Med		
		□ FRC/Protective		☐ Fire Extinguisher	ical/Acid 11 E	☐ Additional conc		noted below		
		☐ Hearing Protect	tion	D File Extiliguisher	Con	nments				
					A					
		4								
		STATE OF STATE OF	ALL PRINCIPLE				List	Gross Amount	Item Discount	Net Amount
Product/ Service Code		Des	cription		Unit of Measure		Price/Unit	31055 Amount	Discount	\$637.50
0010	Cement Pump				ea	1.00				\$153.00
M010	Heavy Equipment	Mileage			mi	45.00				\$76.50
M015	Light Equipment N	Mileage			mi	45.00	1		_	\$2,652.00
CP055	H-Plug	4			sack	240.00 480.00	-	,	,	\$612.00
M020	Ton Mileage				tm	1.00			16.7	\$127.50
FE290	8 5/8" Wooden Pl	ug			ea	1.00	1	1		
		•								
	-									
3: 7:					Comment				Net:	\$4,258.5
Cu	stomer Section: Or	the following sca	le how would you r	rate Hurricane Servic	es Inc.?	Total Tauchia	Gross:	Tax Rate:	1461.	V1,200.0
						Total Taxable	em certain prod	ucts and services	Sale Tax:	\$ -
	Based on this job,	how likely is it y		nend HSI to a collea	yue r	used on new well Services relies or	s to be sales tax	x exempt. Hurricane		
						information above	e to make a dete	ermination if services		è 40501
	Unlikely 1 2	3 4 5	6 7	8 9 10	Extremely Likely	and/or products a	re tax exempt.		Total:	\$ 4,258.5
						HSI Repres	entative:			
				t prior to sale. Credit lern	ns of sale for approve			r before the 30th day	from the date	of invoice. Past du
The second secon	1 11 10	Candison Inc (HS	has approved credit	Ditol to said. Cicuit tell	" - 2' care to abbien			to ampleus on c	nancy and/or a	norney to affect th

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or altorney to affect the accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event hit is necessary to employ an agency and/or altorney to affect the account with HSI becomes delinquent, HSI has the right to revoke any discounts previously collection. Or the property of the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of invoice price without discount is immediately equipment, and material utilizately required to perform these services. Any price of a state of implied. HSI assumes no liability for advice or recommendations discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations and expensive prices. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HS

× Rich My

**CUSTOMER AUTHORIZATION SIGNATURE** 



CEMENT	TRE	ATMEN	T REP	ORT'	100 A	TURA DE					
	omer: Val Energy				Well:	Sch	maderer 1-23	Ticket:	ICT 234	9	
City, S	State:	ate:			County:	F	awlins, KS	Date:	9/6/2019		
Field Rep: Rick WW 10 pusher					S-T-R:		23-4s-32w Service:				
									0/ / # "	(Oppose)	
		nformatio	m		Calculated		16.4.3	Product	%/# #		
			in		Weight	13.8 #		Class A			
Hole D	epth:	4600'	ft		Water / Sx:	6.90 g		Poz			
Casing	Size:		in		Yield:	1.41 ft	3 / эх	Gel			
Casing D	epth:		ft		Bbls / Ft.:			CaCl			
Tubing /	Liner:		in		Depth:	f		Gypsum			
- A D	epth:		ft		Annular Volume:	0 b	bls	Metso			
Tool / Pa	ıcker:				Excess:			Kol Seal			
D	epth:		ft		Total Slurry:	60.0 b		Flo Seal			
Displace	ment:		bbls		Total Sacks:	240 s	ж	Salt (bww)	T-(c)		
							REMARKS		Total		
TIME	RATE	PSI	BBLs				KEWAKKS				
1030pm				Arrivial							
1035pm				Safety meetin	g						
1040pm				Rig up equip							
1110pm	4.0	200.0	12.5		50sx @ 2700'						
1125pm				Rig pull pipe	10.101						
1150pm	5.0	200.0	25.0	Mix 100sx @	1940						
12am			40.5	Rig pull pipe	EOoy @ 34E'						
1250am	5.0	10.0	12.5		ace 50sx @ 345'						
1255am		400.0	7.5	Mix 30sx RH	ig pull pipe						
115am	3.0	100.0	7.5		ix 10sx @ 40' with plug						
120am	2.0		2.5		sx 60/40 poz 4% gel 1/4# floseal						
				240 SX 00/40	002 478 get 11-411 1100001						
105	-	<del> </del>		Wash up equ	in						
125am		-		Depart							
140am				Беран							
	-										
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	-										
			<b></b>								
	_										
		CREW		A COLD	UNIT			SUMMAR	Y		
Cor	nenter:		Shaw		73	] [	Average Rate	Average Pressure	Total Fluid		
Pump Op			nei Cottre	ell	208		3.8 bpm	128 psi	60 bbls		
	Bulk #1:		e Jones		181/256						
Bulk #2:											



Remit To: Hurricane Services, Inc.

250 N. Water, Suite 200 Wichita, KS 67202 316-303-9515

Customer:

VAL ENERGY, INC. 125 N MARKET STE 1710

Wichita, KS 67202

Invoice Date:	8/30/2019
Invoice #:	0343420
Lease Name:	Schmaderer
Well#:	1-23 (New)
County:	Rawlins
Job Number:	ICT2323

Date/Description	HRS/QTY	Rate	Total			
Surface	0.000	0.000	0.00			
Heavy Eq Mileage	55.000	3.400	187.00			
Light Eq Mileage	55.000	1.700	93.50			
Ton Mileage	569.000	1.275	725.48			
Cement pump 266	1.000	637.500	637.50			
H-325	200.000	17.000	3,400.00			
11 020						

5,043.48 Total

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### **HURRICANE SERVICES INC**

Customer	Val Energy		Lease & Well #	Lease & Well # Schmaderer 1-23				Date	8/3	30/2019	
Service District	Oakley KS		County & State	Rawlins KS	Legals S/T/R	24-4-3	2W	Job#			
Job Type	Surface	a PROD	n INJ	u SWD	New Well?	a YES	n No	Ticket#	IC	T2323	
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures									
266	Jesse	■ Hard hat		□ Gloves		■ Lockout/Tago	it	■ Warning Signs 8	& Flagging		
242	Kale	H2S Monitor		■ Eye Protection		□ Required Permits □ Fall Protection					
78	Dane	Safety Footwea	■ Safety Footwear			■ Slip/Trip/Fall Hazards ■ Specific Job Sequence/Expectations				tations	
	Kaleb	FRC/Protective	Clothing	Additional Chemi	cal/Acid PPE	Overhead Hazards     Muster Point/Medical Locations					
		Hearing Protect	ion	■ Fire Extinguisher		evide a series of the	cerns or issue	sues noted below			
				70	Con	nments			-		
		All chemicals loa	ded out of Oakley K	S							
			200000000000000000000000000000000000000								
Product/ Service Code		Desc	ription		Unit of Measure	Quantity				Net Amount	
M010	Heavy Equipment M	lileage			mi	55.00				\$187.00	
M015	Light Equipment Mil	eage			mi	55.00				\$93.50	
M020	Ton Mileage				tm	569.00				\$725.48	
C010	Cement Pump				ea	1.00				\$637.50	
CP015	H-325	About the same of			sack	200.00				\$3,400.00	
									-		
					[					¢r 010 10	
Cust	omer Section: On th	ne following scale	how would you rate	Humcané Services	inc./	Total Taxable	\$ -	Tax Rate:	Net:	\$5,043.48	
Based on this job, how likely is it you would recommend HSI to a colleague?			?			ucts and services	Sale Tax:	\$ -			
		3 4 5	□ □ □ 6 7 8	- G	remely Likely		to be sales ta the customer p to make a dete	c exempt. Hurricane provided well ermination if	Total:	\$ 5,043.48	
				HSI Representative: Dane Retgloff							

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 15% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Action larger smay vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

x Dary

**CUSTOMER AUTHORIZATION SIGNATURE** 



Customer, Val Energy				
County   California   County   County   California   County   California   Califo				
Downhole Information	3			
Downhole Information	9			
Hole Size:   12 1/4	)			
Hole Size:   12 1/4				
Hole Depth:   290				
Casing Size:   8 5/8   Yield:   1 2/5 ft³ / sx   Gel	#			
Casing Depth:   290				
Tubing   Liner:   In   Depth:   ft   Volume:   50 bbls   KolSeal				
Tool / Packer:				
Depth   ft				
Displacement:   17				
Time				
TIME         RATE         PSI         BBLs         REMARKS           6:00 PM         Arrive         BBLs         REMARKS           6:05 PM         Safety Meeting         Safety Meeting           6:10 PM         Rig up         Safety Meeting           6:30 PM         Mix 200 sks of H 325         Safety Meeting           6:35 PM         Displace         Shut in well 300 psi           6:40 PM         Shut in well 300 psi         Shut in well 300 psi           6:45 PM         Rig down         Shut in well 300 psi           6:50 PM         Depart         Shut in well 300 psi				
6:00 PM         Arrive           6:05 PM         Safety Meeting           6:10 PM         Rig up           6:30 PM         Mix 200 sks of H 325           6:35 PM         Displace           6:40 PM         Shut in well 300 psi           6:45 PM         Wash up           6:50 PM         Rig down           6:55 PM         Depart	-			
6:05 PM         Safety Meeting           6:10 PM         Rig up           6:30 PM         Mix 200 sks of H 325           6:35 PM         Displace           6:40 PM         Shut in well 300 psi           6:45 PM         Wash up           6:50 PM         Rig down           6:56 PM         Depart				
6:10 PM         Rig up           6:30 PM         Mix 200 sks of H 325           6:35 PM         Displace           6:40 PM         Shut in well 300 psi           6:45 PM         Wash up           6:50 PM         Rig down           6:56 PM         Depart				
6:30 PM         Mix 200 sks of H 325           6:35 PM         Displace           6:40 PM         Shut in well 300 psi           6:45 PM         Wash up           6:50 PM         Rig down           6:55 PM         Depart				
6:35 PM         Displace           6:40 PM         Shut in well 300 psi           6:45 PM         Wash up           6:50 PM         Rig down           6:56 PM         Depart				
6:40 PM         Shut in well 300 psi           6:45 PM         Wash up           6:50 PM         Rig down           6:55 PM         Depart				
6:45 PM Wash up 6:50 PM Rig down 6:55 PM Depart				
6:50 PM Rig down 6:56 PM Depart 9				
6:55 PM Depart				
CREW UNIT SUMMARY	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Cementer: Dane Retzloff 78.0 Average Rate Average Pressure Total Fluid				
Pump Operator: Jesse Jones 266.0 #DIV/0! bpm #DIV/0! psi - bbls				
Bulk #1: Kale Ochs 242.0				
Bulk #2:				