

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1322113

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

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
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.xxxxxx) (e.gxxx.xxxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
□ Oil □ WSW □ SHOW □ Gas □ D&A □ ENHR □ SIGW □ OG □ GSW □ Temp. Abd. □ CM (Coal Bed Methane) □ Cathodic □ Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No 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 ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer Commingled Permit #: Dual Completion Permit #: SWD Permit #:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite:
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec. Twp. S. R. East West County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY							
Confidentiality Requested							
Date:							
Confidential Release Date:							
☐ Wireline Log Received							
Geologist Report Received							
UIC Distribution							
ALT I II Approved by: Date:							



Operator Name:			Lease Name: _	me: Well #:			
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Cures, whether shut-in prediction of the pre	essure reached stat	ic level, hydrosta	tic pressures, bot		
		otain Geophysical Data a or newer AND an image		ogs must be ema	illed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No		on (Top), Depth ar		Sample	
Samples Sent to Geol	logical Survey	Yes No	Nam	ie		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD N	ew Used			
		Report all strings set-			ion, 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
		ADDITIONAL	. CEMENTING / SQI	JEEZE RECORD	<u> </u>	1	
Purpose: Perforate Protect Casing	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives			
Plug Back TD Plug Off Zone							
	ulic fracturing treatment or	n this well? aulic fracturing treatment ex	roed 350 000 gallons	Yes		p questions 2 ar	nd 3)
		submitted to the chemical of	=	Yes	= ' '	out Page Three	of the ACO-1)
Shots Per Foot		N RECORD - Bridge Plug ootage of Each Interval Per			cture, Shot, Cement		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:			
TODING RECORD.	OILG.	Jet At.	i aunei Al.		Yes No		
Date of First, Resumed	Production, SWD or ENF	Producing Meth	nod:	Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bbls. Gas	Mcf Wat	er B	bls. C	as-Oil Ratio	Gravity
DISPOSITION Vented Sold	ON OF GAS:	N Open Hole	METHOD OF COMPL		mmingled	PRODUCTIO	DN INTERVAL:
					mit ACO-4)		

Form	ACO1 - Well Completion					
Operator La Veta Oil & Gas, LLC						
Well Name	PAUL SPANGENBERG 15					
Doc ID	1322113					

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	23	257	60/40 3% cc	2% gel .25 CL



DUAL INDUCTION LOG

Permanent Datum Company LaVeta Oil & Gas SEC 29 Stafford Richardson P. Spangenberg #15 735' FSL & 1225' FWL TWP 22S RGE 11W Ground Level API #: 15 185 23971 State Elevation

We∥

Field

<<< Fold Here >>>

Maximum Recorded Temperature

Time Logger on Bottom Time Circulation Stopped

Equipment Number

Recorded By

Gus Pfanenstiel

Hays, KS

Mr. Bruce Reed

_ocation

Witnessed By

Rm@BHT

Source of Rmf / Rmc Rmc @ Meas. Temp Rmf @ Meas. Temp Rm @ Meas. Temp

2.32@72degf 3.72@72degf

3.1@72degf

.99@112degf

8:30 p.m. 6:00 p.m.

112degf

T127

Calculated

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Bit Size

Bottom Logged Interval

Casing Driller

8 5/8" @ 257

257

3573 3570'

250"

Top Log Interval

Casing Logger

Depth Logger Depth Driller Run Number

Company

Well

Field

State

Drilling Measured From Log Measured From

8

KB 10' AGL

KB 1837 DF 1836 GL 1827

Elevation

11-8-16

One

County

LaVeta Oil & Gas

Richardson

Stafford

Kansas

P. Spangenberg #15

Location:

County

Kansas

Other Services CDNL

Density / Viscosity

Type Fluid in Hole

Chemical

77/8"

9.2/8.8 9.2/64

pH / Fluid Loss

Source of Sample

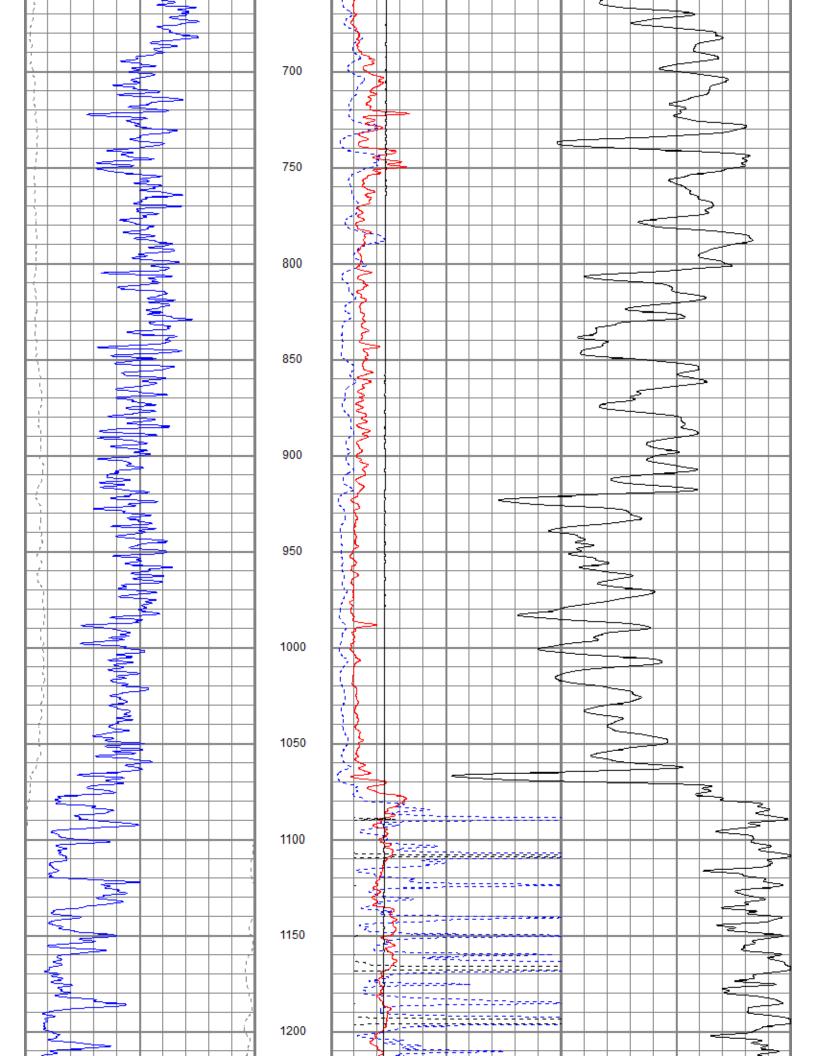
Comments

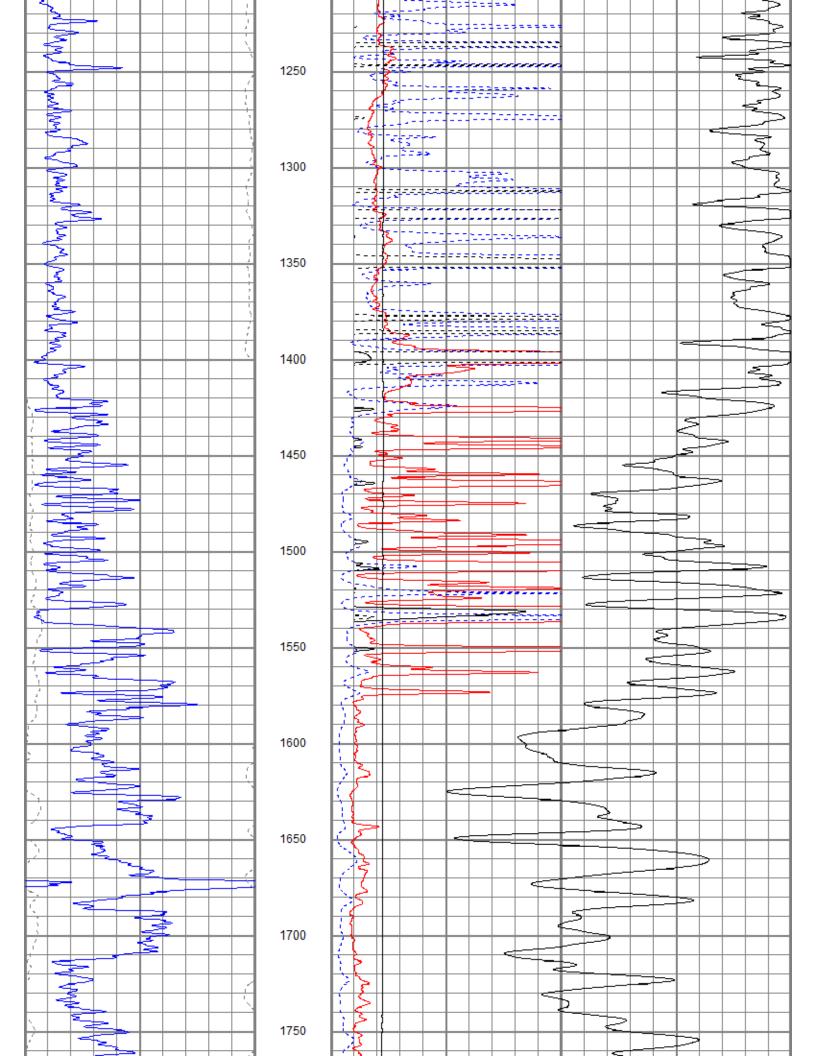
Thanks for using Gemini Wireline LLC 785-625-1182

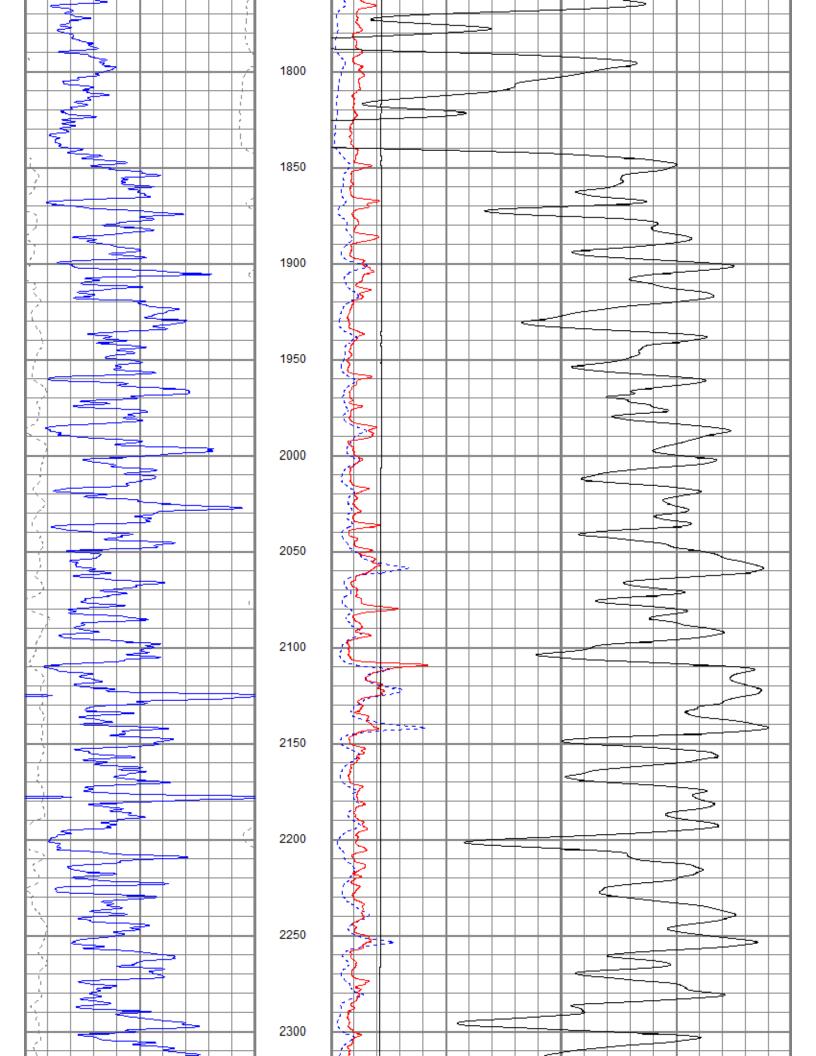


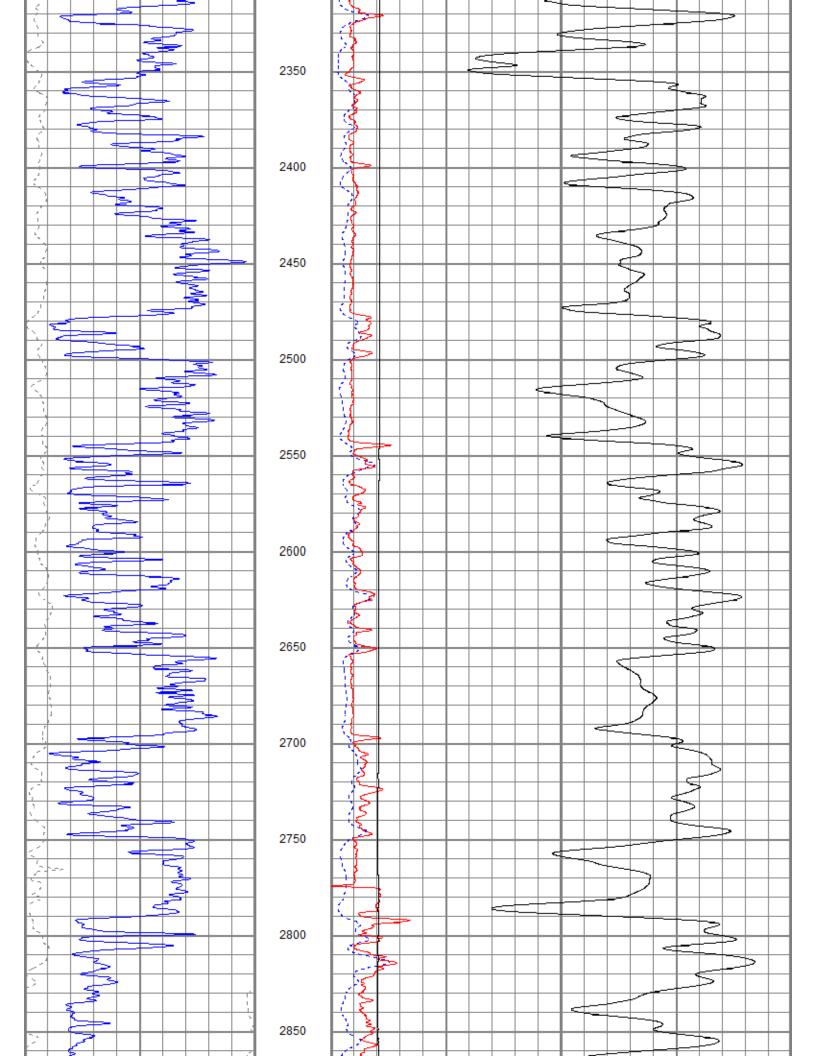
Main Pass

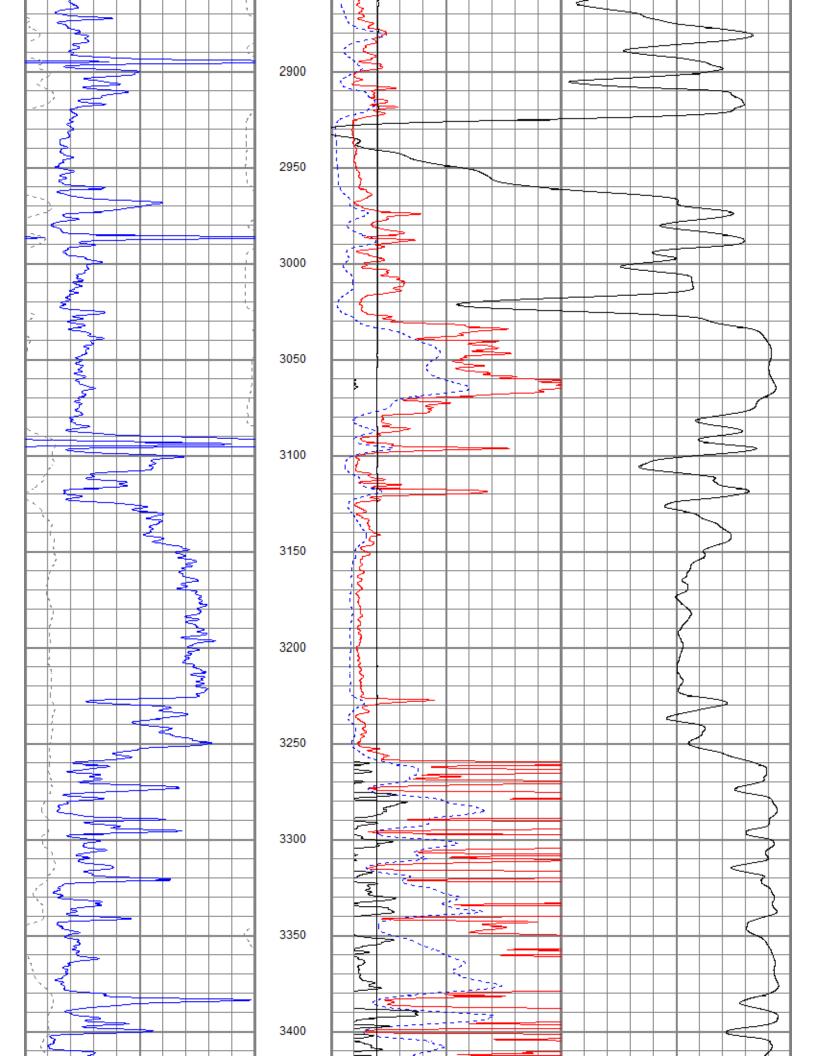
Database File lop.db Dataset Pathname pass2 Presentation Format kdillin2 Dataset Creation Tue Nov 08 20:58:28 2016 Charted by Depth in Feet scaled 1:600 0 GR (GAPI) 150 1000 CILD (mmho/m) 0 -200 SP (mV) 0 10000 LTEN (lb) 0 RILD (Ohm-m) 50 0 RLL3 (Ohm-m) 50 500 50 RILD x 10 (Ohm-m) 50 RLL3 x 10 (Ohm-m) 500 250 300 350 400 450 500 ₹[550 600 650

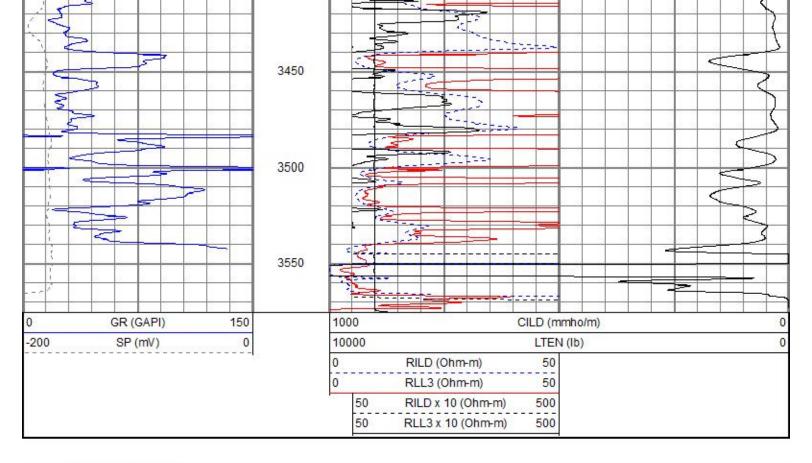














Main Pass

Database File lop.db Dataset Pathname pass2 Presentation Format kdil

Dataset Creation Tue Nov 08 20:58:28 2016 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150		0.2 RILD (Ohm-m)	2000
-100	SP (mV)	100		0.2 RLL3 (Ohm-m)	2000
				0.2 RILM (Ohm-m)	2000
			550		
0 -100	GR (GAPI) SP (mV)	150 100	600	0.2 RILD (Ohm-m) 0.2 RLL3 (Ohm-m)	2000

0.2 RILM (Ohm-m) 2000



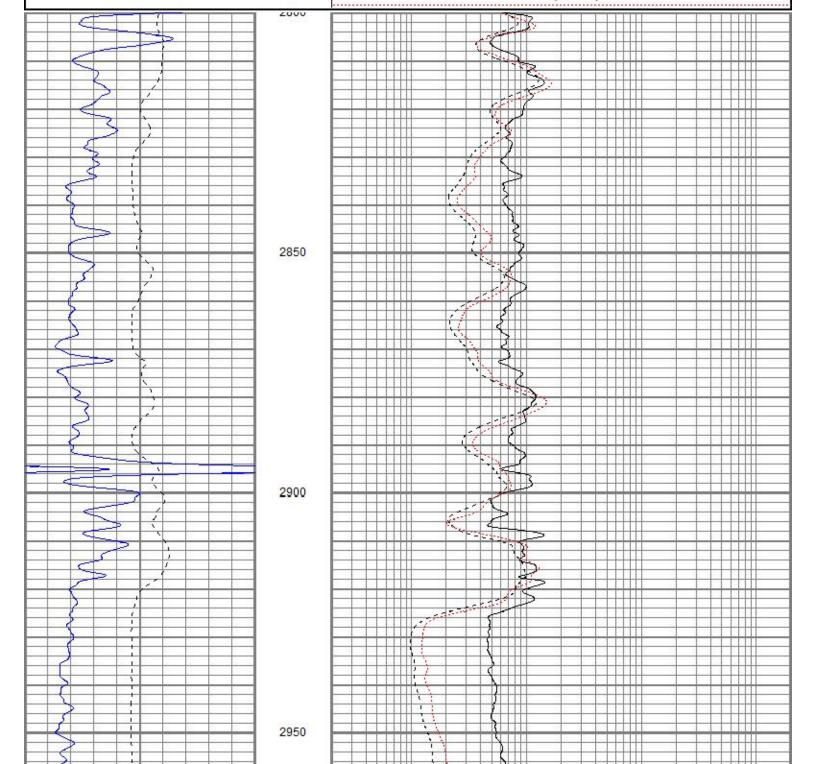
Main Pass

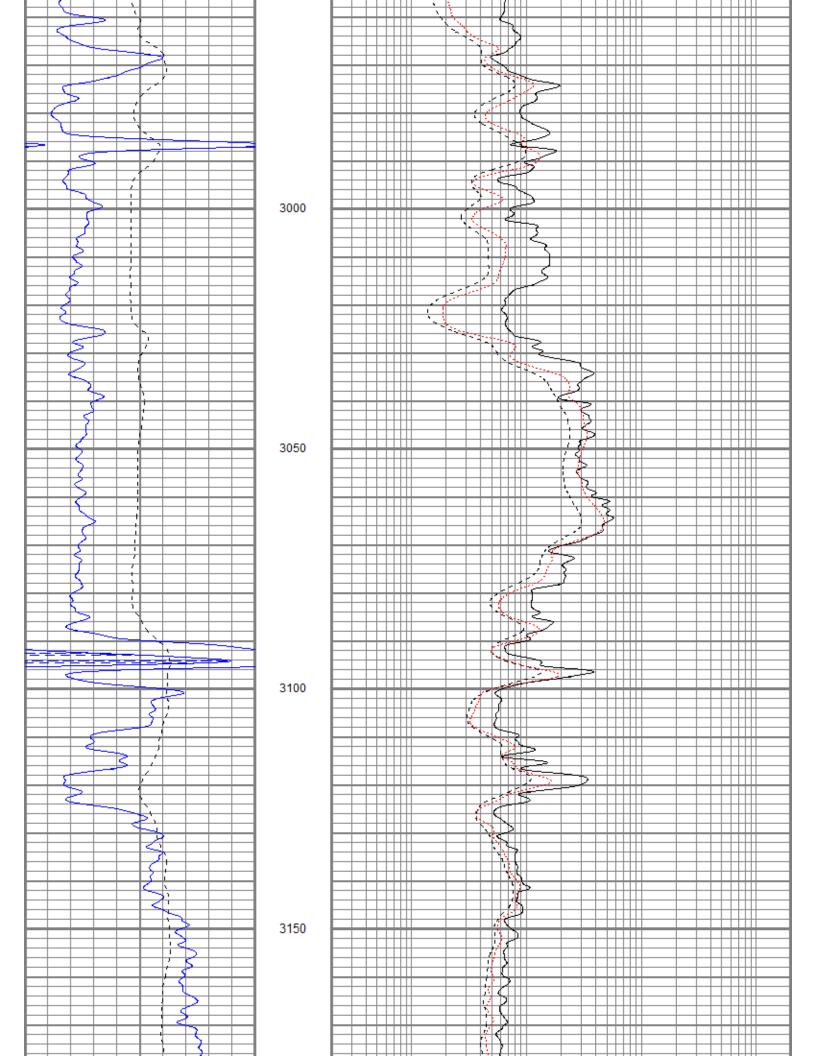
Database File lop.db Dataset Pathname pass2.1 Presentation Format

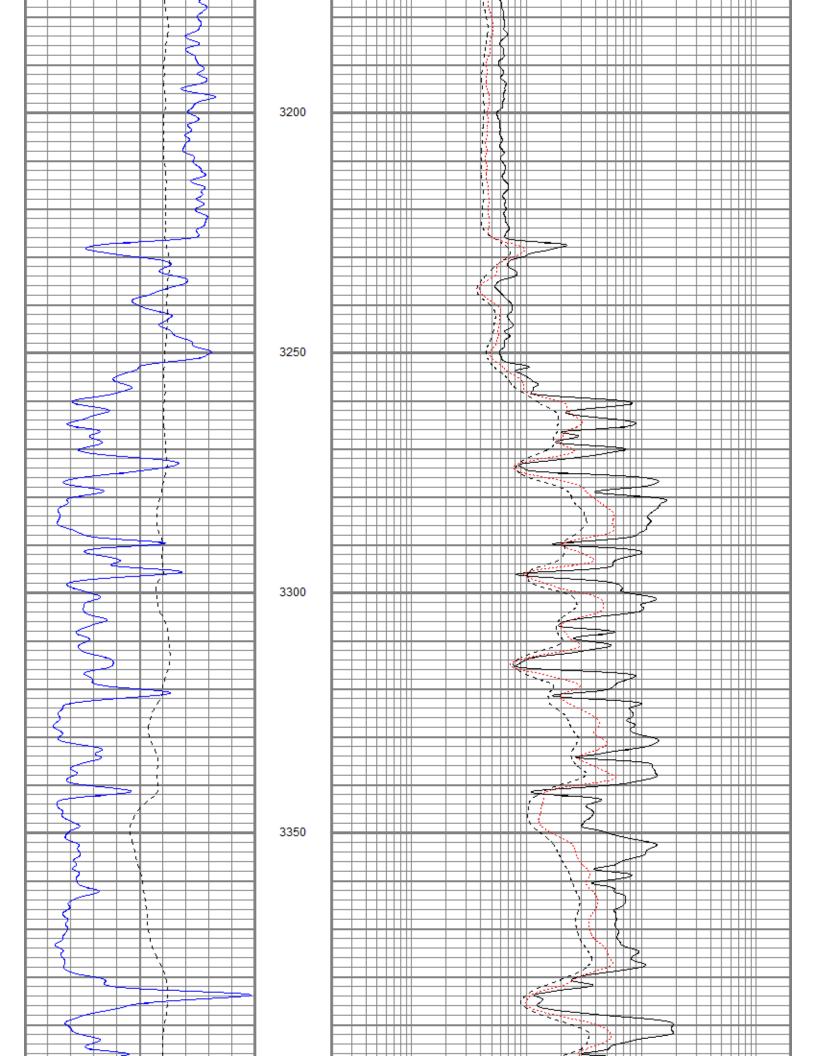
Tue Nov 08 21:18:52 2016

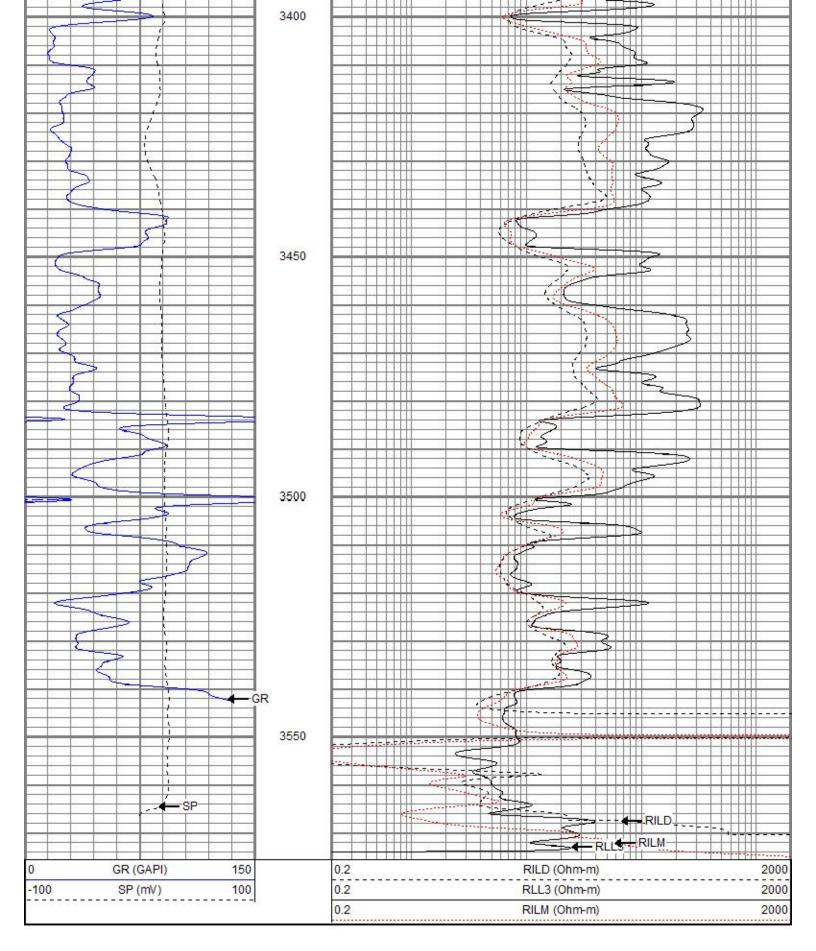
Dataset Creation Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	0.2	RILD (Ohm-m)	2000
-100	SP (mV)	100	0.2	RLL3 (Ohm-m)	2000
			0.2	RILM (Ohm-m)	2000





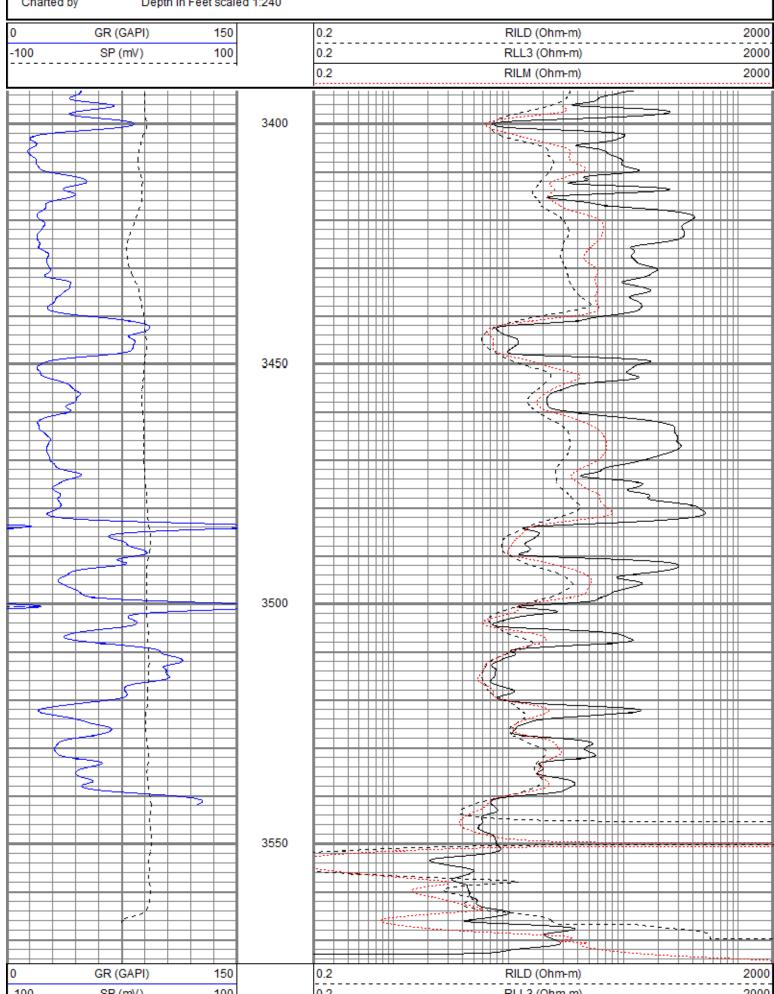






Repeat Pass

Database File lop.db Dataset Pathname pass1.1 Presentation Format **Dataset Creation** Tue Nov 08 21:12:14 2016 Charted by Depth in Feet scaled 1:240 0 GR (GAPI) 150 0.2 100 0.2 -100 SP (mV) 0.2 3400 Α

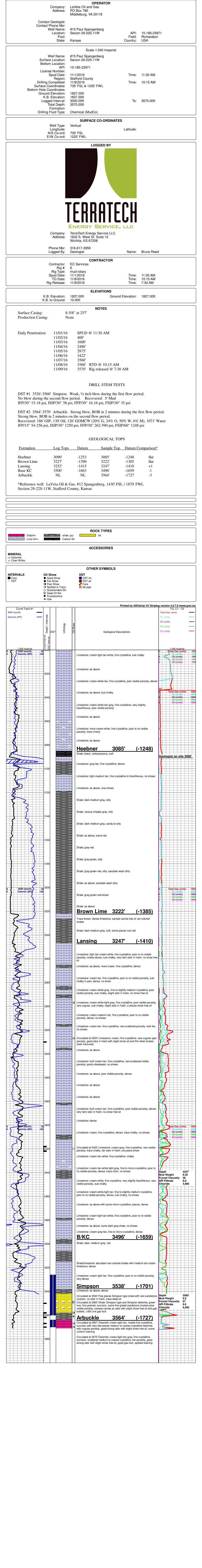


31 (1			0.2			KLL3 (OIIIIFIII)		20
			0.2			RILM (Ohm-m)		20
Database File Dataset Pathname Dataset Creation	lop.db pass1.1 Tue Nov 08	21:12:14 2016		ibration Repo	ort			
			Dual Indud	tion Calibration	n Renort			
	Serial-	Model:	Dadriilado		1989-ADM			
	Surfac Downh	e Cal Perform nole Cal Perfor			Mon Jul 11 21: Mon Jul 11 21: Mon Jul 11 21: Mon Jul 11 21:	36:11 2016		
Surface Calibrati	on							
		Readings			References		Res	sults
Loop:	Air	Loop		Air	Loop		m	b
Deep Medium	0.002 0.003	0.656 0.745	V V	0.000 0.000	350.000 400.000	mmho/m mmho/m	535.560 538.828	-1.118 -1.427
Internal:	Zero	Cal		Zero	Cal		m	b
Deep Medium	0.002 0.003	0.656 0.745	V V	0.000 0.000	350.000 550.000	mmho/m mmho/m	535.220 741.357	-1.003 -2.036
Downhole Calibr	ration							
		Readings			References		Res	sults
Internal:	Zero	Cal		Zero	Cal		m	b
Deep Medium Shallow	-0.036 0.039 2.503	349.993 400.181 0.015	mmho/m mmho/m V	-0.114 0.053 500.000	350.108 399.799 2.000	mmho/m mmho/m Ohm-m	1.001 0.999 200.177	-0.078 0.013 -15.046
After Survey Veri	fication							
		Readings			Targets		Res	sults
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep Medium	0.000	0.000	mmho/m mmho/m	-0.036 0.039	349.993 400.181	mmho/m mmho/m Ohm-m	1.001 0.999	-0.078 0.013
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Onmem	1.000	0.000
			Compensated					
	Master Before	e / Verifier: Calibration P Survey Verific	erformed: cation Performed: ion Performed:		2501DHT-DHT csv-j12 / Thu Jan 21 09:			
Master Calibratio	n							
		Density		F	ar Detector	Near Dete	ctor	
Magnesium Aluminum		1.750 2.660	g/cc g/cc		711.36 133.07	284.2 180.4	•	
		Spine Angle	= 74.83		Density/Spine	Ratio = 0.524		
		Size			Reading			
Small Ring Large Ring		8.05 14.00	in in		5979.71 9974.72			

Before Survey Verification				
	Target		Measured	
	g/c g/c g/c	cc		g/cc g/cc g/cc
After Survey Verification				
	Target		Measured	
	g/o g/o g/o	cc		g/cc g/cc g/cc
		Gamma Ray Calibration	on Report	
Serial Number: Tool Model: Performed:		2000 P2000 Sun Dec 13 16:43:47	2015	
Calibrator Value:		1.0	GAPI	
Background Reading: Calibrator Reading:		0.0 1.0	cps cps	
Sensitivity:		0.2200	GAPI/cps	
		Neutron Calibration	Report	
Serial Number: Tool Model: Performed:		5108 PROBE Thu Jan 21 09:36:17	2016	
Calibrator Value:		1	NAPI	
Calibrator Reading:		1	cps	
Sensitivity:		1	NAPI/cps	

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
NEU	36.60		——CHD-None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	30.81		——GR-P2000 (2000)	3.67	3.25	40.00
LSD	22.02		CDL-DHT (2501DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
DCAL	21.73					
SSD	21.48	<i>∀⁄</i>	-			
HEADVOLT	19.71					

SP CILD	10.60 10.60	7		DIL-ADM (1989) Dual Induction	19.71	4.00	300.00
CILM	6.89						
RLL3	1.70		_				
			Dataset: Total length: Total weight: O.D.:	lop.db: field/well/run1/pass1.1 38.73 ft 631.00 lb 4.00 in			





LaVeta Oil & Gas

305 N Buffalo Stafford, KS 67578

ATTN: Bruce Reed

29-22S-11W Stafford

P Spangenberg 15

Job Ticket: 57967 DST#: 1

Test Start: 2016.11.06 @ 22:29:50

GENERAL INFORMATION:

Formation: Simpson

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:23:50 Time Test Ended: 04:19:20

Interval: 3526.00 ft (KB) To 3560.00 ft (KB) (TVD)

Total Depth: 3560.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

1837.00 ft (KB)

Reference Elevations:

1827.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8159 Press@RunDepth:

Start Date:

Start Time:

Inside

16.01 psig @

2016.11.06

3527.00 ft (KB) End Date:

End Time:

2016.11.07 04:19:20 Capacity: Last Calib.:

8000.00 psig

Time On Btm:

2016.11.07 2016.11.07 @ 00:22:20

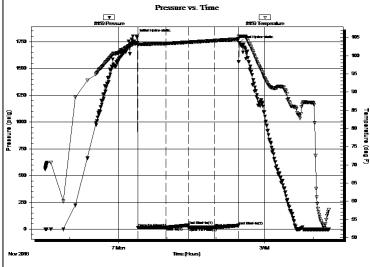
Time Off Btm:

2016.11.07 @ 02:29:05

TEST COMMENT: IF: Weak 1/2 inch Blow

ISI: No Blow Back FF: No Blow FSI: No Blow Back

22:29:51



		PI	RESSUR	RE SUMMARY
1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1801.20	103.38	Initial Hydro-static
	2	15.01	102.94	Open To Flow (1)
	37	17.95	103.31	Shut-In(1)
.	64	38.05	103.66	End Shut-In(1)
	65	15.97	103.66	Open To Flow (2)
	96	16.01	104.11	Shut-In(2)
	126	35.42	104.54	End Shut-In(2)
,	127	1740.54	105.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

Gas Rat	es	
Choke (inches)	Pressure (neig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 57967 Printed: 2016.11.07 @ 07:14:08



LaVeta Oil & Gas

29-22S-11W Stafford

305 N Buffalo Stafford, KS 67578 P Spangenberg 15

Job Ticket: 57967

ATTN: Bruce Reed Test Start: 2016.11.06 @ 22:29:50

DST#: 1

GENERAL INFORMATION:

Formation: Simpson

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

Time Tool Opened: 00:23:50

Tester: Leal Cason
Time Test Ended: 04:19:20

Unit No: 74

Interval: 3526.00 ft (KB) To 3560.00 ft (KB) (TVD) Reference Elevations: 1837.00 ft (KB)

Total Depth: 3560.00 ft (KB) (TVD) 1827.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 6806 Outside

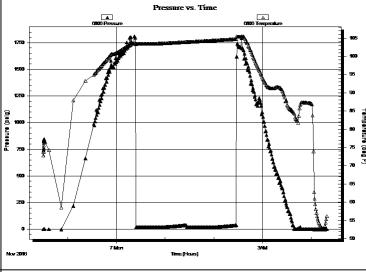
 Press@RunDepth:
 psig
 @
 3527.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2016.11.06 End Date: 2016.11.07 Last Calib.: 2016.11.07

Start Time: 22:29:51 End Time: 04:19:20 Time On Btm: Time Off Btm:

TEST COMMENT: IF: Weak 1/2 inch Blow

ISI: No Blow Back FF: No Blow FSI: No Blow Back



P	RESSUR	RE SUMMARY
CLIFO	Tomo	A prototion

	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
_				
į				
ē				
Temperature (deg F)				
Ĵ				

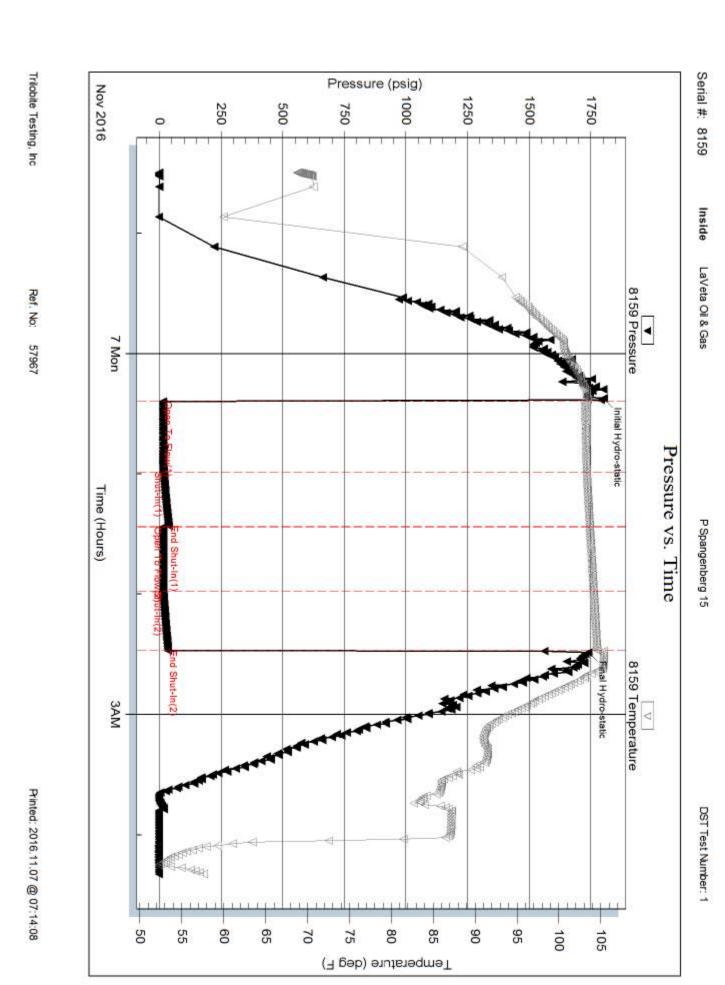
Recovery

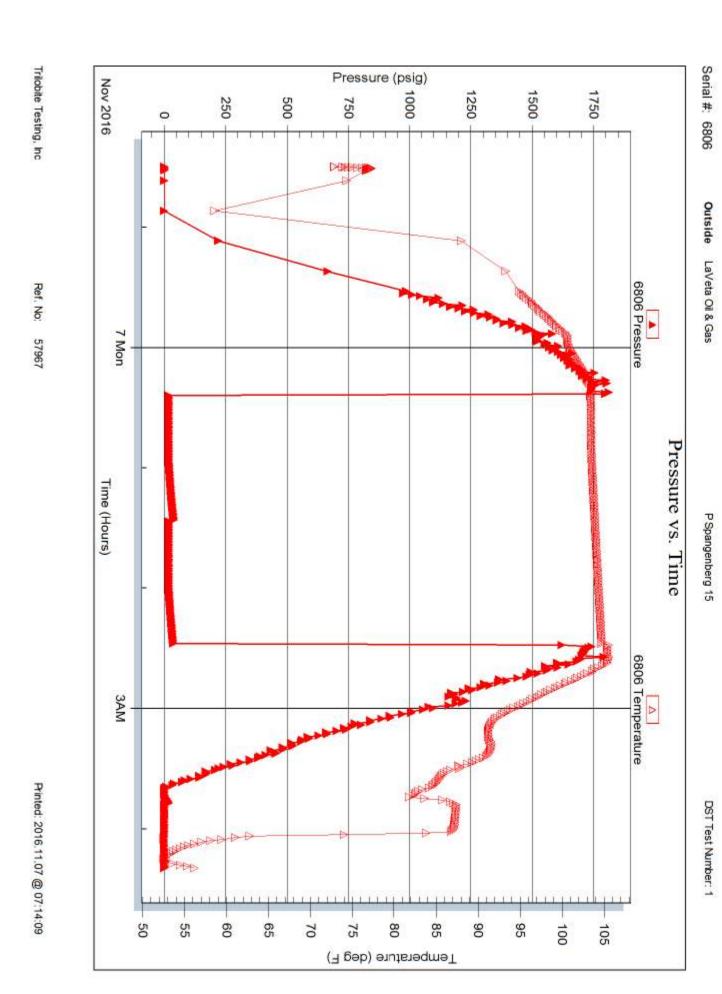
Description	Volume (bbl)
Mud	0.07
	Description Mud

Gas Rates

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

Trilobite Testing, Inc Ref. No: 57967 Printed: 2016.11.07 @ 07:14:08







LaVeta Oil & Gas

305 N Buffalo Stafford, KS 67578

ATTN: Bruce Reed

29-22S-11W Stafford

P Spangenberg 15

Job Ticket: 57968 DST#: 2

Test Start: 2016.11.08 @ 12:57:58

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:47:13 Time Test Ended: 19:09:13

3564.00 ft (KB) To 3570.00 ft (KB) (TVD) Interval:

Total Depth: 3570.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Reference Elevations:

1837.00 ft (KB)

1827.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8159 Inside

Start Time:

Press@RunDepth: 590.04 psig @

Start Date: 2016.11.08 3565.00 ft (KB) End Date:

2016.11.08 End Time:

Capacity: Last Calib.: 8000.00 psig

2016.11.08

19:09:13

Time On Btm:

2016.11.08 @ 14:46:13

Time Off Btm:

2016.11.08 @ 17:02:13

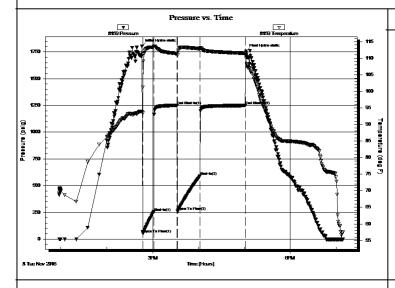
TEST COMMENT: IF: Strong Blow, BOB in 2 minutes

12:57:59

ISI: 1/2 inch Blow Back

FF: Strong Blow, BOB in 2 minutes

FSI: 1inch Blow Back



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1802.86	93.78	Initial Hydro-static
1	54.00	101.23	Open To Flow (1)
16	255.66	113.33	Shut-In(1)
46	1249.53	111.40	End Shut-In(1)
47	261.57	110.96	Open To Flow (2)
76	590.04	112.87	Shut-In(2)
136	1248.48	111.48	End Shut-In(2)
136	1754.18	109.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)		
0.00	186 GIP	0.00		
1071.00	Water	15.02		
126.00	GSY OMCW 20%G 6%M 24%O 50%M	1.77		
130.00	GSY Oil 20%G 80%O	1.82		
* Recovery from multiple tests				

Gas Rates

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

Ref. No: 57968 Printed: 2016.11.08 @ 19:52:38 Trilobite Testing, Inc



LaVeta Oil & Gas

29-22S-11W Stafford P Spangenberg 15

305 N Buffalo Stafford, KS 67578

ATTN: Bruce Reed

Job Ticket: 57968 DST#: 2

Test Start: 2016.11.08 @ 12:57:58

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 14:47:13 Tester: Leal Cason Time Test Ended: 19:09:13 Unit No: 74

Interval: 3564.00 ft (KB) To 3570.00 ft (KB) (TVD) Reference Elevations: 1837.00 ft (KB)

Total Depth: 3570.00 ft (KB) (TVD) 1827.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 6806 Outside

Press@RunDepth: 3565.00 ft (KB) 8000.00 psig psig @ Capacity:

Start Date: 2016.11.08 End Date: 2016.11.08 Last Calib.: 2016.11.08

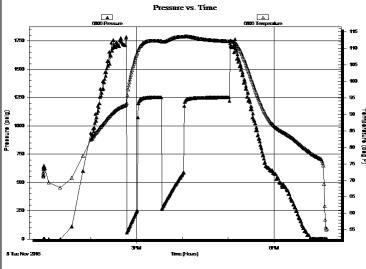
Start Time: 12:57:59 End Time: Time On Btm: 19:09:13 Time Off Btm:

TEST COMMENT: IF: Strong Blow, BOB in 2 minutes

ISI: 1/2 inch Blow Back

FF: Strong Blow, BOB in 2 minutes

FSI: 1inch Blow Back



Р	RESSU	IRE S	SUMM	ARY

	T RESOURCE SOMMARK			
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
₫				
Temperature (deg F)				
2				
J				

Recovery

Length (ft)	Description	Volume (bbl)
0.00	186 GIP	0.00
1071.00	Water	15.02
126.00	GSY OMCW 20%G 6%M 24%O 50%M	1.77
130.00	GSY Oil 20%G 80%O	1.82
* Recovery from mul	tiple tests	

Gas Rates

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

Ref. No: 57968 Printed: 2016.11.08 @ 19:52:38 Trilobite Testing, Inc



FLUID SUMMARY

LaVeta Oil & Gas

29-22S-11W Stafford

305 N Buffalo Stafford, KS 67578 P Spangenberg 15

Job Ticket: 57968

DST#: 2

ATTN: Bruce Reed

Test Start: 2016.11.08 @ 12:57:58

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:31 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:28000 ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:56.00 sec/qtCushion Volume:bbl

Water Loss: 8.78 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 4800.00 ppm Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	186 GIP	0.000
1071.00	Water	15.023
126.00	GSY OMCW 20%G 6%M 24%O 50%M	1.767
130.00	GSY Oil 20%G 80%O	1.824

Total Length: 1327.00 ft Total Volume: 18.614 bbl

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

Laboratory Name: Laboratory Location: Recovery Comments: Gravity was 30 @ 59 degrees

RW was .29 @ 60 degrees

Trilobite Testing, Inc Ref. No: 57968 Printed: 2016.11.08 @ 19:52:38

100

105

95

110

115

65

70

75

80

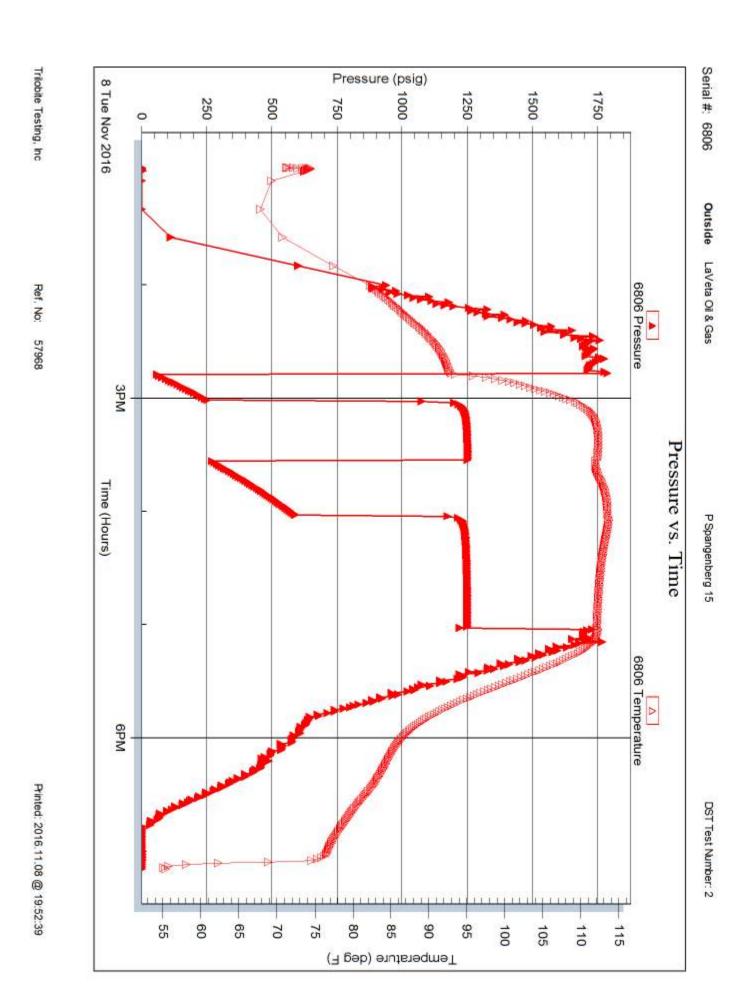
85

Temperature (deg F)

90

55

60





TREATMENT REPORT

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Smer Se Ver	10 0	912	16	7 a S		ease No.						Date		/ 1.			
Lease Premi	Sour	a se es	n bee	A_	w	vell # 15							<u> </u>	1/10	<u> </u>	104-4-	
Field Order #		Per	rt f	K	5	The state of the s		Casing &	18	Depth	Z3#	County	5/ce	HOR	A	State 25	
Type Job	£ 5,	~ <u> </u>	ace	9	Pill	<u>)</u>	2	HZ_	For	mation		enteres de monte		Legal D	escription 24 . Z	2 //	
PIPE	EDATA	enchena volské zak	PERF	ORAT	LING	DATA		FLUID U	ISED			-	TREA	TMENT	RESUME	= -	
Casing Size	Tubing Si	ze -	Shots/F	t			Acid		***	***************************************		RATE	PRE	SS	ISIP		
Depth 7.65	Depth		From		То	wy	Pre	Pad			Max				5 Min.		
Volume	Volume		From		То						Min				10 Min.	10 Min.	
Max Press	Max Pres	s	From		То		Frac				7.09	1 1			15 Min.	15 Min.	
Well Connection	n Annulus V	/ol.	From		То		·				HHP Used				Annulus		
Plug Depth	Packer De	enth	From		То		Flus		·		Gas Volun				Total Loa	ld	
Customer Rep	resentative			••••		Station	Mana	gerj Kenj	<u> </u>	64	rdlez	Trea	iter Sz	011	<u>C7100</u>	UES	
Service Units	38 <i>950</i>	78	982	El:	179			19918	,								
Driver Names	SCOH	Do	NIN		-	Trus	Ø.	4.550									
Time	Casing Pressure		bing ssure	Bbls	. Pum	ped	F	Rate	<i>(</i>				Servi	ce Log			
5:45									Z)	La	scatu	207		Lety	MIEL	110g	
									K	113	P				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
									/ <u></u>		1 0		·				
₩.65 5				+					ŁΣ	MA	Col	(1d		1821	·		
7:09	200							<u>S</u>	<u>Ku</u>	M	<u> </u>	0	_>	Acc	er -	047 :	
7:10	300				5			<u>5</u>				ZS_	SK	5 6	OHO.	406 14.	
7:24	100			4	60)				MI	1 - Al	NCON No	2	· · · · · · · · · · · · · · · · · · ·			
7:25									Ke	400	COC F	<u>Welf</u>		<u> </u>	.a -A		
7:25	300				~B 4			<u>5 </u>		CMI		SD16	UCC,	111 C	<u> </u>	6 5 60	
7:26	300				25			5	[] 21	M.	<u> </u>	SEL	<u>ILL</u>	<u> 2720</u>	<u> </u>	5 Sextee	
1.30	200				<u>5.0</u>	» -				417 h	-ClDl	<u> </u>	10				
											,						
									A	7,000	10.1.	- 10	-/	1 h	hls 1	ensen-f	
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10244	NE Hiw	ay (61 • F	20. E	3ox	8613	Pra	itt, KS 6	7124	1-86 1	3 • (620) 672	2-120)1 • Fa	x (620)	672-5383	



TREATMENT REPORT

ener	'Sy Se	ervic	' C S , L.P.	,									
Customer	Vela	e)/ 4	Cras	ease No.					Date				
Lease D.		unyen	1	Vell#	5	· · · · · · · · · · · · · · · · · · ·			11/9	116			
Field Order	# Statio	Pratt		~		Casing	O.P. Dept	h 5-70'	County	Dans	q	State Jes	
Type Job	rd di	1 160	indon		7	42	Formation	n		Legal D	escription		
	E DATA.	ALLOW THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED	FORATING	DATA		FLUID	USED		TREA	TMENT	RESUME		
asing Size	Tubing Si	***********	- Market Control		Ac	·····	, - , 		RATE PRE	SS	ISIP	***************************************	
192 P. (epth 55 70	/ Depth	From	To	То		Pad	,	Max			5 Min.		
.33 70 S 0.76	. Volume	From	То	, 11 · · · · · · · · · · · · · · · · · ·	Pad			Min	***************************************		10 Min.		
ax Press	Max Pres		То			ıc		Avg ' '			15 Min.		
ell Connecti	ion Annulus \	/ol. From	То					HHP Used			Annulus I	Pressure	
ug Depth	Packer D	epth From	То		Flu		N. M. CONTROL CO.	Gas Volun			Total Load		
ustomer Re	presentative	ecit		Station	Man	ager Kel	in G	ordle,	Treater	0011	(710	wes	
ervice Units	58950		20290	8498	ł	,							
river ames ,	Scott	Bryan		Pau	1					<u> </u>			
Time	Casing Pressure	Tubing Pressure	Bbls. Pun	ped		Rate		- · · · · · · · · · · · · · · · · · · ·	Serv	ice Log			
11:30	11/8/16						On be	rcatio	r Safe	Ly 11	Nectic	y Kig	
	<u> </u>						,					<i>' '</i>	
	.'			-		. <u></u>	Load	hole	611.	th 1	<u>Ci'ej</u>		
1:25	300					4	Pump	H20	Space	·/	· · · · · · · · · · · · · · · · · · ·		
1:29	150		15			4	miz	5-05/	5 60/40 POZ 13.78				
1:32	75				4		Start Displacement with Much						
1:45	_Ø		48				Shut down						
							590'		_		7	mm to "	
3:35							Load				<u>Riej</u>		
J: I8	150			$-\!\!\!\!+$		4	Pump						
3.140	100		10			4	211/2	<u>570 si</u>		•	POZ_	15.78 pg	
3:43	100		17.7			4	Start	Disp	acem	en1			
7:45	B		5.7				Shut	dou	n,	·			
							280			11/1	0,		
3:58				_			Load	hold	_	Ji-th	<u> </u>	<i>g</i>	
4:00	100		7	_		<u>)</u> ^/ .	أ مصا		Space	<i>o.</i> <u> </u>			
4:01	50		<u>ر</u> ا			/ 	1/1/	50 SK					
4:04	<u>OS</u>		12.7			1	Stary		pluen	nen1_			
4:0Ce	Ø		ک./				Sheet	abus	<u>n</u>				
- /~					.,	 ኛ	10114		1. /				
5,05	0		5.5	-	<u> </u>	<i>.</i>				1 1	deil-	10 Serta	
$\mathcal{C}\mathcal{O}$			P.O. Box		Dκ	tt VC	70000	l class	(27) do		MED T	70 7000	



TREATMENT REPORT

	8-00 C																	
Customer	1/2/0_				L	ease No.						Date						
Lease		3.00	enl	200	V	Vell #	_					11/9	116					
Field Order	# Statio	T	5 4 L	,0	125	The State of the S		Casing	D.	P Dept	5580	County	Herer	!	State			
Type Job	lua T	6	41	200	eler	m			Ī	ormation	n		Legal Des	cription				
PIP	E DATA		PERF	ORA	TING	NG DATA FLUID L				D .		TREA	TREATMENT RESUME					
Casing Size	Tubing Si	ze	Shete/Ft			paragraphic solutions and the solutions and the solutions are solutions and the solutions are solutions and the solutions are solved as a solution are solved as a sol		d				RATE PRE	SS	ISIP				
Casing Size	Depth		From		То		Pre Pad				Max			, , , , , , , , , , , , , , , , , , ,				
Volume	Volume		From		Τ̈́o		Pa	d			Min			10 Min.				
Max Press	Max Pres		From To		То	То		Frac			Avg '							
Well Connecti			From		То	То					HHP Used			Annulus Pr	essure			
Plug Depth	Packer De	epth	From		То	r	Flush				Gas Volun		Total Load					
Customer Re	presentative	~~~~				Station	Man	agery Kell	10	(201	cl ley	Treater	911 G	rave	5			
Service Units	3895O			<u> 202</u>	90	8499	30		ļ				1					
Driver Names	S/011 Casing	4	<i>ryon</i> ibing			Pau			 									
Time	Pressure		ssure	Bbls	s. Pum	ped		Rate		, <u> </u>	, ,	Serv	ice Log					
- A C	CR CR							~~~	1/2	evl_	hale_							
5:08	6				<u>~</u>			25	100	<u> </u>	30 SK	3						
<u>3225</u>	<i>Q</i>				8				2	hu:	<u> 1 - 1,00</u>	un_						
CIAR	Ø						45	Will 3 - Chi										
51 05 5170	Ø		7						1	6		SR)						
5:30	9	- (<							the est							
0.00									Job Complete									
																		
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10244	NE Hiw	ay 6	31 O E	.O. E	ox 8	3613 •	Pra	itt, KS 6	5712	24-861	13 • (620) 672-120)1 • Fax ((620) 67	72-5383			