KOLAR Document ID: 1602959

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 North / South Line of Section
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:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR ☐ 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 □ Plug Back □ Liner □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	
GSW Permit #:	Operator Name:
_	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec. Twp. S. R. East West
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 III Approved by: Date:					

KOLAR Document ID: 1602959

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS	S. R	Eas	t West	County:					
	l, flowing an	d shut-in press	sures, wh	ether shut-in pre	ssure reached	static	level, hydrostat	ic pressures, bo		val tested, time tool erature, fluid recovery,
Final Radioactivi files must be sub							gs must be emai	led to kcc-well-l	ogs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests (Attach Addit	Taken tional Sheets)			Yes No		☐ Lo		n (Top), Depth a		Sample
Samples Sent to	Geological	Survey		Yes No		Name			Тор	Datum
Cores Taken Electric Log Run Geologist Report List All E. Logs F	t / Mud Logs	S		Yes No Yes No Yes No						
			Rep	CASING	RECORD [New		on, etc.		
Purpose of St	tring	Size Hole Drilled		ize Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	CEMENTING /	SQUE	EEZE RECORD		<u>'</u>	
lop Bottom		e of Cement	of Cement # Sacks Used Type and F			Percent Additives				
Perforate Protect Ca Plug Back										
Plug Off Zo										
Did you perform Does the volume Was the hydraul	e of the total I	base fluid of the	hydraulic f	racturing treatment		-	Yes S? Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Produ Injection:	iction/Injection	n or Resumed Pr	roduction/	Producing Meth	od:		Gas Lift O	ther <i>(Explain)</i>		
Estimated Product Per 24 Hours		Oil	Bbls.		Mcf	Water			Gas-Oil Ratio	Gravity
DISPO	OSITION OF	GAS:		N	METHOD OF CO	MPLET	ΓΙΟΝ:			ON INTERVAL:
Vented		Used on Lease		Open Hole		Dually (Submit A		nmingled	Тор	Bottom
,	ed, Submit AC							·		
Shots Per Foot	Perforation Top	on Perfor Bott		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze and of Material Used)	
TUBING RECORI	D: S	ize:	Set At	:	Packer At:					

Form	ACO1 - Well Completion
Operator	Curt's Oil Operation, LLC
Well Name	5-H #1
Doc ID	1602959

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	20	401	Standard	225	3%



Curts Oil Operations

29-16s-12w Barton KS

PO BOX 328

Job Ticket: 67853

5-H #1

Tester:

Capacity:

DST#: 1

Hoisington KS 67544

Test Start: 2021.12.03 @ 08:35:00

ATTN: Clayton Camozzi

GENERAL INFORMATION:

Formation: LKC A-C

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:34:37 Time Test Ended: 16:27:26

3099.00 ft (KB) To 3147.00 ft (KB) (TVD)

Total Depth: 3147.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Test Type: Conventional Bottom Hole (Initial) Spencer J Staab

Unit No: 84

Reference Elevations:

1906.00 ft (KB)

psig

1899.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8875 Inside

Interval:

Press@RunDepth: 166.77 psig @ 3102.00 ft (KB)

Start Date: 2021.12.03 End Date: Last Calib.: 2021.12.03 2021.12.03 Start Time: 08:35:01 End Time: 16:27:26 Time On Btm: 2021.12.03 @ 10:34:07

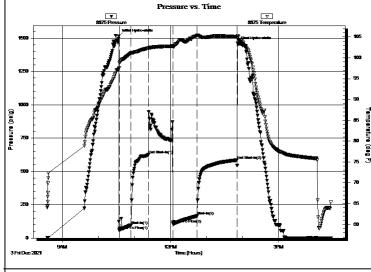
> Time Off Btm: 2021.12.03 @ 13:51:56

TEST COMMENT: 20-IF-Slid 8' Bled off Surface to 8"

60-ISI-Very Weak Surface Blow Tool slid and trapped hydrostatic pressure

40-FF-Surface to 9"

60-FSI-Very Weak Surface Blow



	PRESSURE SUMMARY						
1	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	1512.89	97.31	Initial Hydro-static			
	1	57.55	97.60	Open To Flow (1)			
	21	97.64	101.14	Shut-In(1)			
	50	627.85	102.34	End Shut-In(1)			
	91	108.07	102.70	Open To Flow (2)			
	131	166.77	105.41	Shut-In(2)			
(198	584.82	105.03	End Shut-In(2)			
9	198	1459.00	105.25	Final Hydro-static			

Recovery

Length (ft)	Description	Volume (bbl)
230.00	Water 100%W	2.98
90.00	Mud w/oil spots	1.28
0.00	30' GIP	0.00

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

Trilobite Testing, Inc Ref. No: 67853 Printed: 2021.12.04 @ 07:47:51



Curts Oil Operations

29-16s-12w Barton KS

PO BOX 328

5-H #1

Hoisington KS 67544

Job Ticket: 67853 DST#: 1

ATTN: Clayton Camozzi

Test Start: 2021.12.03 @ 08:35:00

GENERAL INFORMATION:

Formation: LKC A-C

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

Time Tool Opened: 10:34:37 Time Test Ended: 16:27:26

Unit No: 84

Tester:

Spencer J Staab

Reference Elevations:

1906.00 ft (KB)

Total Depth: 3147.00 ft (KB) (TVD)

1899.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 7.00 ft

Serial #: 6838

Press@RunDepth:

Inside

3102.00 ft (KB) psig @

Capacity:

psig

Start Date: 2021.12.03 End Date:

2021.12.03 Last Calib.: 16:27:26

2021.12.03

Start Time:

Interval:

08:35:01

3099.00 ft (KB) To 3147.00 ft (KB) (TVD)

End Time:

Time On Btm:

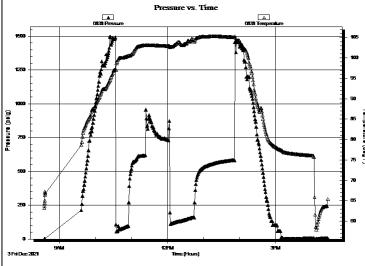
Time Off Btm:

TEST COMMENT: 20-IF-Slid 8' Bled off Surface to 8"

60-ISI-Very Weak Surface Blow Tool slid and trapped hydrostatic pressure

40-FF-Surface to 9"

60-FSI-Very Weak Surface Blow



PRESSURE SUMMARY

	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
=				
3				
Ē				
Temperature (deg F)				
٠				

Recovery

Length (ft)	Description	Volume (bbl)
230.00	Water 100%W	2.98
90.00	Mud w/oil spots	1.28
0.00	30' GIP	0.00

Gas Rates

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

Trilobite Testing, Inc Ref. No: 67853 Printed: 2021.12.04 @ 07:47:51



FLUID SUMMARY

Curts Oil Operations

29-16s-12w Barton KS

PO BOX 328

5-H #1

Hoisington KS 67544

Job Ticket: 67853

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2021.12.03 @ 08:35:00

Mud and Cushion Information

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

Viscosity: 56.00 sec/qt Cushion Volume: bbl

Water Loss: 5.99 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3900.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
230.00	Water 100%W	2.983
90.00	Mud w /oil spots	1.276
0.00	30' GIP	0.000

Total Length: 320.00 ft Total Volume: 4.259 bbl

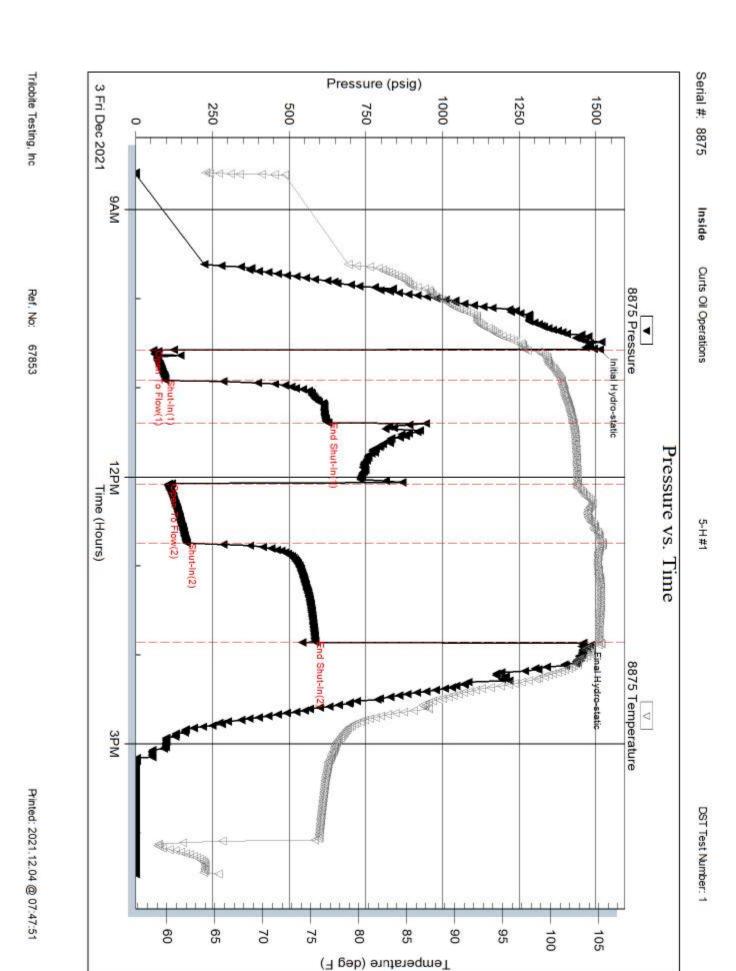
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

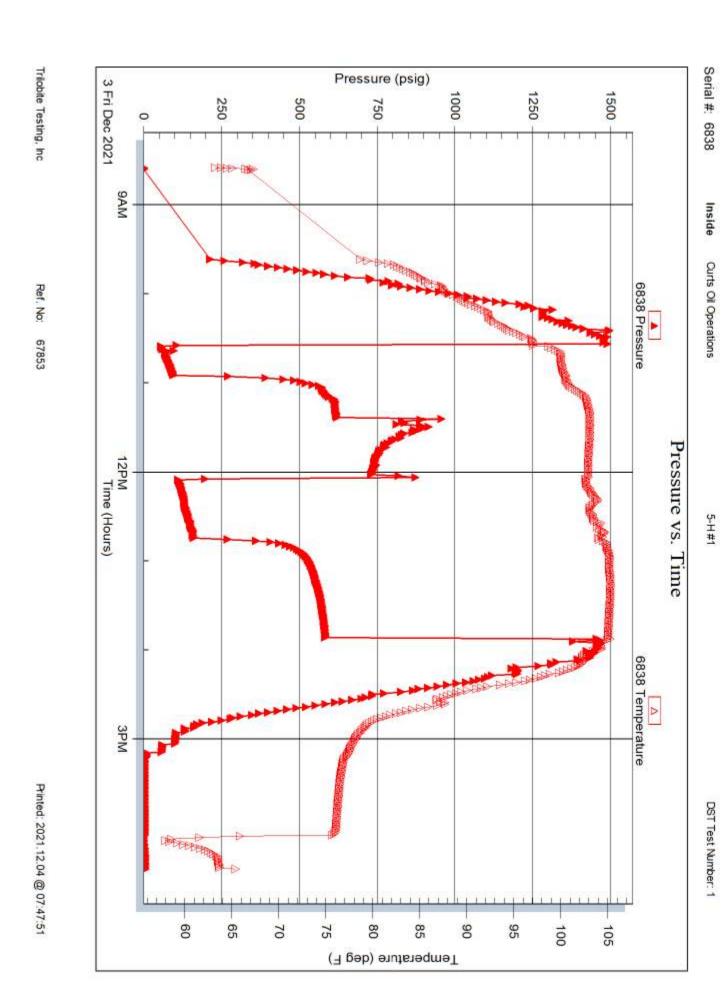
Laboratory Name: Laboratory Location:

Recovery Comments: 1#LCM

Rw =.281@54F

Trilobite Testing, Inc Ref. No: 67853 Printed: 2021.12.04 @ 07:47:51







Curts Oil Operations

29-16s-12w Barton KS

PO BOX 328

5-H #1 Job Ticket: 67854

DST#: 2

Hoisington KS 67544

Test Start: 2021.12.04 @ 02:21:00

ATTN: Clayton Camozzi

GENERAL INFORMATION:

Formation: LKC D-F

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:10:57 Time Test Ended: 07:44:12

Interval: 3153.00 ft (KB) To 3185.00 ft (KB) (TVD)

Total Depth: 3185.00 ft (KB) (TVD)

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

Tester: Spencer J Staab

Unit No: 84

Reference Elevations:

1906.00 ft (KB)

1899.00 ft (CF)

psig

KB to GR/CF: 7.00 ft

Serial #: 8875 Outside

Press@RunDepth:

41.32 psig @

3154.00 ft (KB)

2021.12.04

Capacity: Last Calib.:

Start Date: Start Time: 2021.12.04 02:21:01

End Date: End Time:

07:44:12

Time On Btm:

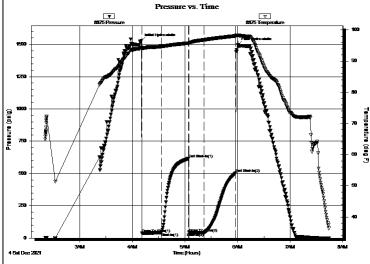
2021.12.04 2021.12.04 @ 04:10:32

Time Off Btm:

2021.12.04 @ 06:00:22

TEST COMMENT: 20-IF-Slid 6' Bled off Surface to 1/4"

30-ISI-No Return 15-FF-Surface Died 30-FSI-No Return



	PRESSURE SUMMARY			
1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1526.99	94.34	Initial Hydro-static
	1	38.42	94.11	Open To Flow (1)
	23	41.23	94.70	Shut-In(1)
	54	615.12	95.75	End Shut-In(1)
	55	43.14	95.60	Open To Flow (2)
	72	41.32	96.81	Shut-In(2)
,	108	503.20	98.08	End Shut-In(2)
,	110	1495.70	98.28	Final Hydro-static

DDECCLIDE CLIMANADY

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud 100%M	0.36
* Recovery from mul	tiple tests	

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

Ref. No: 67854 Printed: 2021.12.04 @ 08:00:15 Trilobite Testing, Inc



Curts Oil Operations

29-16s-12w Barton KS

5-H #1

PO BOX 328

Hoisington KS 67544

Job Ticket: 67854 **DST#: 2**

ATTN: Clayton Camozzi Test Start: 2021.12.04 @ 02:21:00

GENERAL INFORMATION:

Formation: LKC D-F

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

Time Tool Opened: 04:10:57 Tester: Spencer J Staab
Time Test Ended: 07:44:12 Unit No: 84

Interval: 3153.00 ft (KB) To 3185.00 ft (KB) (TVD) Reference ⊟evations: 1906.00 ft (KB)

Total Depth: 3185.00 ft (KB) (TVD) 1899.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 7.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 3154.00 ft (KB) Capacity: psig

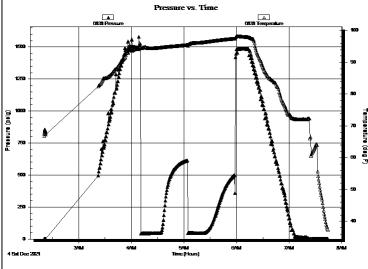
Start Date: 2021.12.04 End Date: 2021.12.04 Last Calib.: 2021.12.04

Start Time: 02:21:01 End Time: 07:44:12 Time On Btm:

Time Off Btm:

TEST COMMENT: 20-IF-Slid 6' Bled off Surface to 1/4"

30-ISI-No Return 15-FF-Surface Died 30-FSI-No Return



	PI	RESSUR	RE SUMMARY
Time	Pressure	Temp	Annotation
Min.)	(psig)	(deg F)	

	(Min.)	(psig)	(deg F)	
,				

Recovery

Length (ft)	Description	Volume (bbl)	
45.00	Mud 100%M	0.36	
* Recovery from multiple tests			

Gas Rates

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

Trilobite Testing, Inc Ref. No: 67854 Printed: 2021.12.04 @ 08:00:15



FLUID SUMMARY

Curts Oil Operations

29-16s-12w Barton KS

PO BOX 328

5-H #1

Hoisington KS 67544

Job Ticket: 67854

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2021.12.04 @ 02:21:00

Mud and Cushion Information

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

Viscosity: 59.00 sec/qt Cushion Volume: bbl

5.20 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 6700.00 ppm Filter Cake: inches

Recovery Information

Water Loss:

Recovery Table

Length ft	Description	Volume bbl
45.00	Mud 100%M	0.360

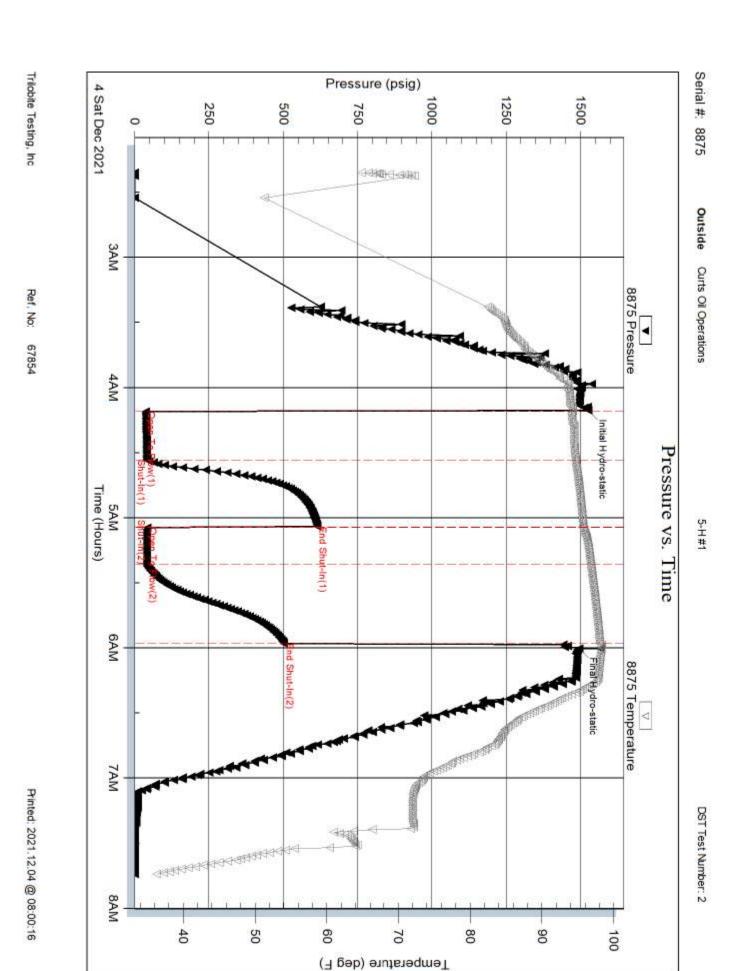
Total Length: 45.00 ft Total Volume: 0.360 bbl

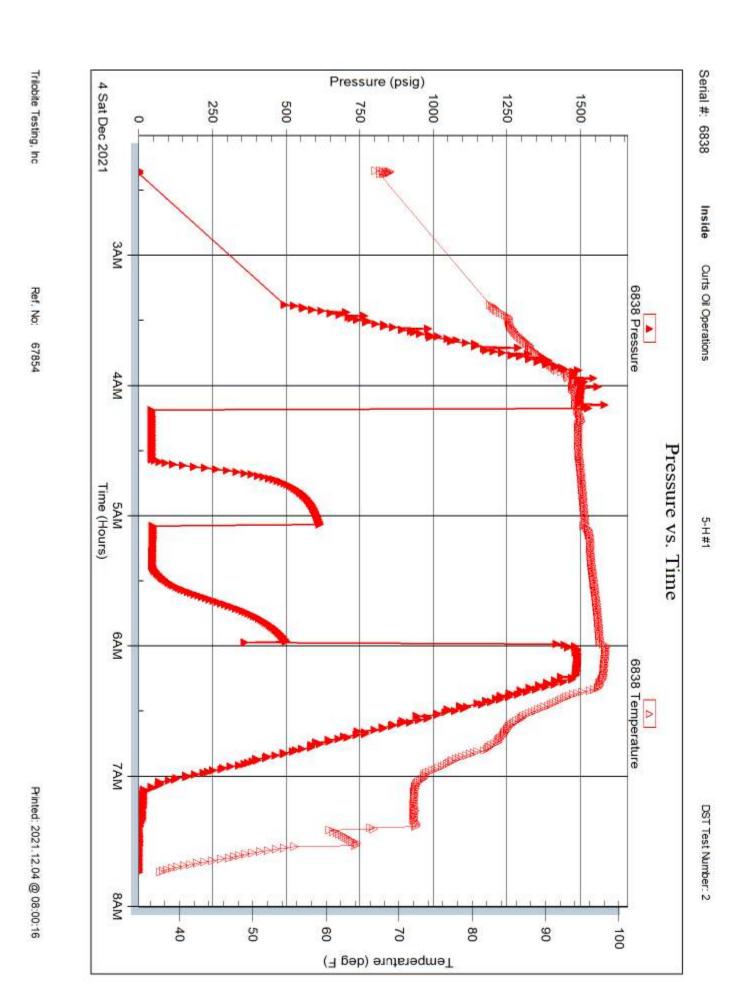
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: 1#LCM

Trilobite Testing, Inc Ref. No: 67854 Printed: 2021.12.04 @ 08:00:16







Curts Oil Operations

PO BOX 328

5-H #1

Tester:

Unit No:

Hoisington KS 67544

Job Ticket: 67855 **DST#: 3**

Spencer J Staab

1899.00 ft (CF)

ATTN: Clayton Camozzi

Test Start: 2021.12.05 @ 03:23:00

29-16s-12w Barton KS

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 05:18:27 Time Test Ended: 08:49:32

Interval:

3340.00 ft (KB) To 3368.00 ft (KB) (TVD) Reference Elevations: 1906.00 ft (KB)

Total Depth: 3368.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 7.00 ft

Serial #: 8875 Outside

Press@RunDepth: 40.06 psig @ 3341.00 ft (KB) Capacity: psig

 Start Date:
 2021.12.05
 End Date:
 2021.12.05
 Last Calib.:
 2021.12.05

 Start Time:
 03:23:01
 End Time:
 08:49:32
 Time On Btm:
 2021.12.05 @ 05:17:52

Time Off Btm: 2021.12.05 @ 06:50:57

PRESSURE SUMMARY

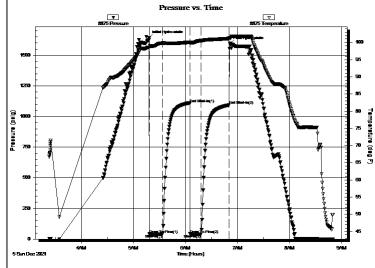
84

TEST COMMENT: 15-IF-Slid 6' Bled off Surface to 1/4"

30-ISI-No Return

10-FF-Weak Surface Died

30-FSI-No Return



Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1641.00	98.58	Initial Hydro-static
	1	39.87	98.63	Open To Flow (1)
	16	39.58	99.79	Shut-In(1)
	47	1107.72	100.03	End Shut-In(1)
	48	41.69	99.72	Open To Flow (2)
	60	40.06	100.55	Shut-In(2)
	93	1093.85	101.16	End Shut-In(2)
,	94	1595.26	101.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)	
50.00	OCM 10% o 90% M	0.43	
* Recovery from multiple tests			

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

Trilobite Testing, Inc Ref. No: 67855 Printed: 2021.12.05 @ 12:54:21



Curts Oil Operations

29-16s-12w Barton KS

5-H #1

Tester:

Unit No:

Job Ticket: 67855

PO BOX 328

Hoisington KS 67544

Test Start: 2021.12.05 @ 03:23:00

84

ATTN: Clayton Camozzi

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 05:18:27 Time Test Ended: 08:49:32

Interval: 3340.00 ft (KB) To 3368.00 ft (KB) (TVD)

Total Depth: 3368.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1906.00 ft (KB)

Spencer J Staab

1899.00 ft (CF)

DST#: 3

KB to GR/CF: 7.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 3341.00 ft (KB) Capacity: psig

Start Date: 2021.12.05 End Date: 2021.12.05 Last Calib.: 2021.12.05

Start Time: 03:23:01 End Time: 08:48:52 Time On Btm:

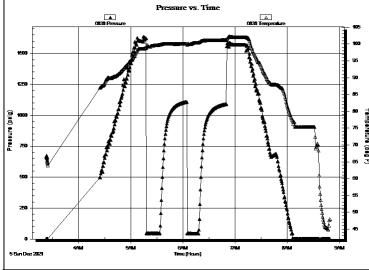
Time Off Btm:

TEST COMMENT: 15-IF-Slid 6' Bled off Surface to 1/4"

30-ISI-No Return

10-FF-Weak Surface Died

30-FSI-No Return



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
,				
Temperatura (dea F)				
3				

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 10%o 90%M	0.43
* Recovery from mul	tiple tests	

Gas Rates

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

Trilobite Testing, Inc Ref. No: 67855 Printed: 2021.12.05 @ 12:54:21



FLUID SUMMARY

Curts Oil Operations

29-16s-12w Barton KS

PO BOX 328

5-H #1

Hoisington KS 67544

Job Ticket: 67855

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2021.12.05 @ 03:23:00

Mud and Cushion Information

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

Viscosity: 56.00 sec/qt Cushion Volume: bbl

6.80 in³ Gas Cushion Type:

Gas Cushion Pressure: psig

Salinity: 6300.00 ppm
Filter Cake: inches

ohm.m

Recovery Information

Water Loss:

Resistivity:

Recovery Table

Length ft	Description	Volume bbl
50.00	OCM 10%o 90%M	0.431

Total Length: 50.00 ft Total Volume: 0.431 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 1#LCM

Trilobite Testing, Inc Ref. No: 67855 Printed: 2021.12.05 @ 12:54:21

45

50

55

60

65

70

75

Temperature (deg F)

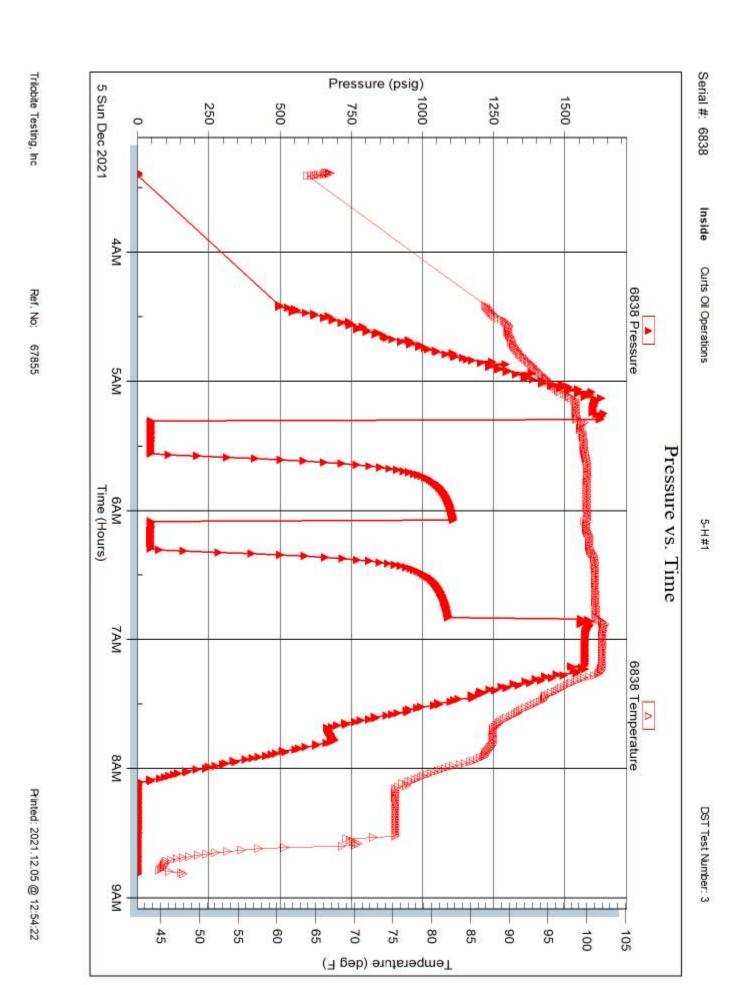
80

85

90

95

100





Curts Oil Operations

29-16s-12w Barton KS

PO BOX 328

5-H #1

Hoisington KS 67544

Job Ticket: 67856 DST#: 4

ATTN: Clayton Camozzi Test Start: 2021.12.05 @ 17:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 20:02:37 Tester: Spencer J Staab 84

Time Test Ended: 23:53:51 Unit No:

Interval: 3342.00 ft (KB) To 3380.00 ft (KB) (TVD) Reference Elevations: 1906.00 ft (KB) Total Depth: 3380.00 ft (KB) (TVD)

1899.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8875 Outside

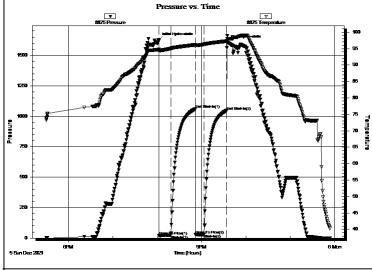
Press@RunDepth: 3343.00 ft (KB) Capacity: 29.90 psig @ psig

Start Date: 2021.12.05 End Date: 2021.12.05 Last Calib.: 2021.12.05 Start Time: 17:30:01 End Time: 2021.12.05 @ 20:02:27 23:53:52 Time On Btm:

Time Off Btm: 2021.12.05 @ 21:34:51

TEST COMMENT: 15-IF-Surface to 1/4"

30-ISI-No Return 10-FF-No Blow 30-FSI-No Return



	PRESSURE SUMMARY			
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1627.79	94.66	Initial Hydro-static
	1	19.93	94.32	Open To Flow (1)
	16	25.64	95.03	Shut-In(1)
	50	1059.73	96.13	End Shut-In(1)
•	50	29.06	95.73	Open To Flow (2)
	61	29.90	96.29	Shut-In(2)
	91	1045.28	97.26	End Shut-In(2)
	93	1608.39	97.98	Final Hydro-static

DDECCLIDE CLIMMADY

Recovery

Length (ft)	Description	Volume (bbl)		
15.00	MCO 50%M 50%O	0.07		
* Recovery from multiple tests				

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

Gas Rates

Ref. No: 67856 Printed: 2021.12.06 @ 06:49:49 Trilobite Testing, Inc



Curts Oil Operations

29-16s-12w Barton KS

PO BOX 328

5-H #1

Tester:

Unit No:

Hoisington KS 67544

Job Ticket: 67856 DST#: 4

ATTN: Clayton Camozzi

Test Start: 2021.12.05 @ 17:30:00

84

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 20:02:37 Time Test Ended: 23:53:51

> 3342.00 ft (KB) To 3380.00 ft (KB) (TVD) Reference Elevations: 1906.00 ft (KB)

Total Depth: 3380.00 ft (KB) (TVD)

1899.00 ft (CF) Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF:

7.00 ft

Spencer J Staab

Serial #: 6838 Inside

Interval:

Press@RunDepth: 3343.00 ft (KB) Capacity: psig @ psig

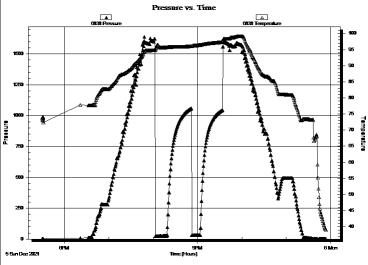
Start Date: 2021.12.05 End Date: 2021.12.05 Last Calib.: 2021.12.05

Start Time: 17:30:01 End Time: 23:53:52 Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IF-Surface to 1/4"

30-ISI-No Return 10-FF-No Blow 30-FSI-No Return



PRESSURE S	UMMARY
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	Time	Pressure	Temp (deg F)	Annotation
	(Min.)	(psig)	(deg F)	
=				

Recovery

Length (ft)	Description	Volume (bbl)		
15.00	MCO 50%M 50%O	0.07		
* Recovery from multiple tests				

Gas Rates

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

Trilobite Testing, Inc Ref. No: 67856 Printed: 2021.12.06 @ 06:49:50



FLUID SUMMARY

Curts Oil Operations

29-16s-12w Barton KS

PO BOX 328

5-H #1

Hoisington KS 67544

Job Ticket: 67856

DST#: 4

ATTN: Clayton Camozzi

Test Start: 2021.12.05 @ 17:30:00

Mud and Cushion Information

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

Viscosity: 56.00 sec/qt Cushion Volume: bbl

6.80 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 6300.00 ppm Filter Cake: inches

Water Loss:

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	MCO 50%M 50%O	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 1#LCM

Trilobite Testing, Inc Ref. No: 67856 Printed: 2021.12.06 @ 06:49:50

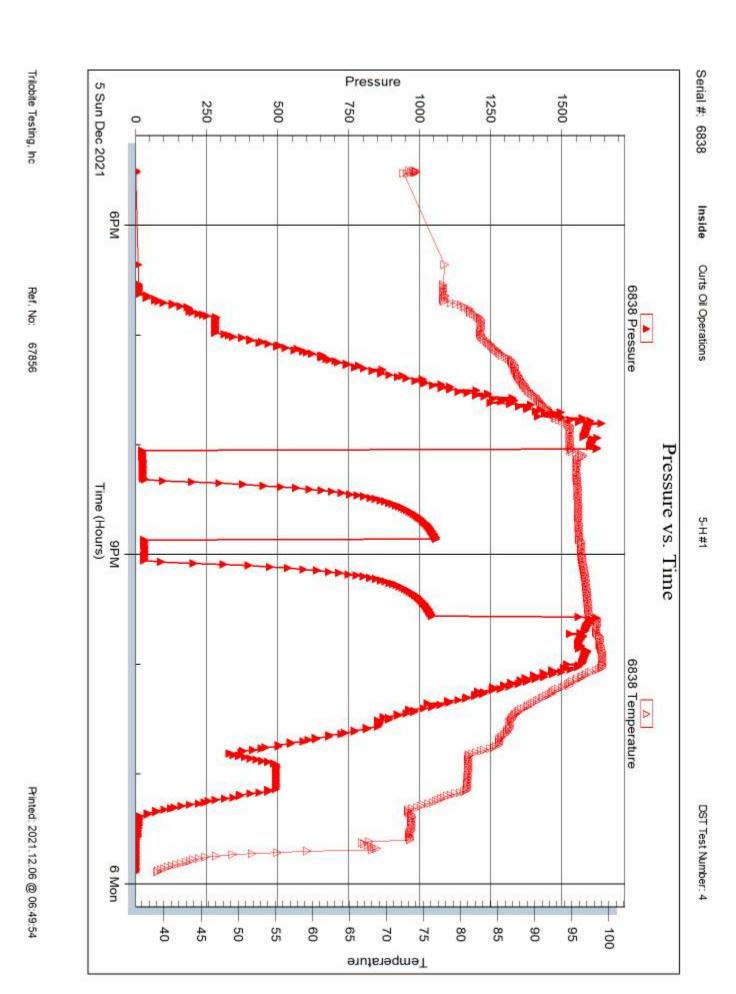
Serial #: 8875

Outside Curts Oil Operations

5-II#1

DST Test Number: 4

Trilobite Testing, Inc Ref. No: 67856



SWIFT	
Services, Inc.	

CHARGE TO: CURTS DI	OPERATIONS
ADDRESS	
CITY, STATE, ZIP CODE	

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34091

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Service	es, Inc.			CITY, ST.	ATE, ZIP CODE							I	PAGE	OF	
SERVICE LOCATION		WELL/PROJE		LEA	2-H	COUNTY/PARISH	STA	JE CITY				DATE / 12/6/3	2.1	OWNER	<u>-</u>
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4. REFERRAL LOCAT	FION	WELL TYPE OIL INVOICE INS	TRUCTION	_ A	L CATEGORY BANDOLYCL	JOB PURPOSE ROTHERY PT			PERMIT			WELL LOCA	TION		
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START OF WORK OR DE	LIVERY OF GOODS.	en Sagent PRIOF	(10		P.O. B	OX 466 Y, KS 67560	WE OPERATED THE EC AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	DUIPMENT	-		(Backn		222	1,4
DATE SIGNED	TIM	E SIGNED		A.M. P.M.		98-2300	ARE YOU SATISFIED WI		YES		J	TOTAL		rall	1/1
	CUSTOMER	ACCEPTANO	E OF MA	ATERIALS.	AND SERVICES The	customer hereby ackno	uvladana ====i=t	USTOMER DI	D NOT WIS	H TO RESPO	ND	52 (6555)	200	<u> </u>	104
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DAVID EDGERFON

Thank You!

JOB L	.OG				SWIF	T Seri	vices. Inc. DATE 17/L/ZI PAGE NO.
CUSIO	MER		WELL NO.		LEASE		JOB TYPE TICKET NO.
CHART		RATE	VOLUME	PUMPS	5-1-	IRE (PSI)	FTA 34091
NO.	THAIL	(BPM)	(BBL) (GAL)	T C	TUBING	CASING	DESCRIPTION OF OPERATION AND MATERIALS
	2130						ON OCATION
							IST Plug @ 3340 Pump WTE SPACER
	1020	5	10		1		PUMP WIR SPACER
	-	5	13				PUMP CMT- SO SX
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		_					Pisp W/ MUD- 5.5 MM
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	-	5				-	Pump with Spacer
	-	_5_	20				pump cnot - 75 sx
		5					Pump who spaces pump cont - 75 sx Disp w/ wire
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SWIFT
Services, Inc.

Service	FT S, Inc.		,	ADDRES	ETO: Curt's (1. (TICKET	3	5307	
SERVICE LOCATION		WELL/PROJE	CT NO.	LEA	SE ケ - 州	COUNTY/F	PARISH	S	TATE CI	TY			[[DATE /2/2/		WNER	
2 Ness City	, K5		CONTRACTO Disco		.	RIG NAME	rton 2	SH		ELIVERE	,	 1		1/29/21 ORDER NO.		Same	
4.		WELL TYPE		WEL	LL CATEGORY Velopment	JOB PURPOSE Cement	Sucha		W	ELL PEF			٧	VELL LOCATIO	N	2000	
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<i>59</i> 3			2		Dravage	happe Cem				e6317		7		1	24	463	1
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DATE SIGNED TIME SIGNED

START OF WORK OR DELIVERY OF GOODS.

□ A.M. □ P.M.

P.O. BOX 466 NESS CITY, KS 67560 785-798-2300

	463	TM			// 25	463	24
SUR	VEY	AGREE	UNDECIDED	DISAGREE			
OUR EQUIPMENT PER WITHOUT BREAKDOW					PAGE TOTAL	6573	30
WE UNDERSTOOD AN MET YOUR NEEDS?	ID .						
OUR SERVICE WAS PERFORMED WITHOU	T DELAY?				194		
WE OPERATED THE E AND PERFORMED JOI CALCULATIONS SATISFACTORILY?					Buten	301	54
ARE YOU SATISFIED W	TH OUR SERVICE	E? YES	□ NO		TOTAL	160	Λ.

☐ CUSTOMER DID NOT WISH TO RESPOND

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR

APPROVAL

Thank You!

PAGE NO. SWIFT Services. Inc. JOB LOG Curt's Oil WELL NO. 7 JOB TYPE Surface PUMPS TIME PRESSURE (PSI) DESCRIPTION OF OPERATION AND MATERIALS TUBING CASING On location, Rig tripping Drillpipe. 2030 Rig Start Casing 85/8" x 20#- (01.50) Fin Casing Start Circulation 2215 Finish Circulation Hook up to Swift Start water shead 5 Start Cont Finish Cont, Start Displacement Sinish Displacement Cont Circulated. Shut in Release Track Washup, Rackup Job Complete 15 24 0030 Thanks Jon, Joe, Isaac

Geo Log Header WellSight Systems

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

Well Name: 5-H #1

Well Id:

Location: Section 29 - 16S - 12W Barton Co, Kansas

License Number: API # 15-009-26316-0000 Region: Beaver South

Surface Coordinates: 1975 FNL & 1885 FEL

Bottom Hole Coordinates:

Ground Elevation (ft): 1898' K.B. Elevation (ft): 1907' Logged Interval (ft): 2700 To: 3450 Total Depth (ft): 3450

Formation: Arbuckle

Type of Drilling Fluid: Chemical Gel/Polymer Fresh Water -Based

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

OPERATOR

Company: CURT'S OIL OPERATION, LLC

Address: P. O. Box 328

Hoisington, KS 67544

GEOLOGIST

Name: Clayton Camozzi

Company:

Address: 1474 S St Paul St

Denver CO 80210 Cell: 303.968.4999

REMARKS

After review of the open hole logs, DST data, and geological log data it was recommended to Plug and Abandon the 5H#1 well. *Note - Drill time, DST intervals, and sample tops are 1' lower/deeper to the E-logs. The sample will be delivered, processed, and available for review at the KGS Library located in Wichita, Kansas Respectfully, Clayton Camozzi

Curt's Oil Operation, LLC

WELL COMPARISON SHEET

Location: 1975 FNL / 1885 FEL

Well: 5-H #1

Company: Curt's Oil Operation, LLC PO Box 328

Hoisington, KS 67544 Contact: Francis Hitschmann (Cell) 785 550 2702

Elevation: 1907' KB 1898' GL

API No: 15-009-26316-0000 Field: Beaver South

Surface Casing: 8 5/8" set @ 401' KB

Wellsite Geologist: Clayton Camozzi Cell: (303) 968-4999 29 - 16S - 12W Barton Co., KS

Drilling Contractor: Discovery Rig #2 Rig Phone (785-635-1412), Tool Pusher Ryan Gashler (785-259-3263)

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		2W	Structural	Relationship	Log	-10	-10	-10	-7	-2	8-	-10	9-	-2	9-	9-	-10	9-	-3	
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COMPARISON WELL	Peters 5	1980 FSL / 980 FEL 29 - 16S - 12W		1911 KB	Log	808	2480	2722	2918	3004	3018	3030	3090	3107	3150	3186	3236	3345	3366	3456
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SON WELL	-	2310 FNL / 330 FEL 29 - 16S - 12W		KB	Sub-Sea	1093	-570	-816	-1010	-1098	-1114	-1126	-1185	-1204	-1246	-1284	-1334	-1446	-1459	-1469
COMPARISON WELL	Laudick B	2310 FNL /		1908 KB	Log	815	2478	2724	2918	3006	3022	3034	3093	3112	3154	3192	3242	3354	3367	3377
		6S - 12W			Sub-Sea	1093	-579	-821	-1014	-1100	-1115	-1129	-1185	-1203	-1245	-1281	-1335	-1440	-1458	-1567
		~			Log	814	2486	2728	2921	3007	3022	3036	3092	3110	3152	3188	3242	3347	3365	3474
WELL		1975 FNL / 1885 FEL 29 -		KB	Sub-Sea	1088	-573	-819	-1015	-1099	-1117	-1127	-1186	-1204	-1245	-1283	-1333	-1442	-1451	-1563
DRILLING WELL	5-H #1	1975 FNL		1907 KB	Sample	819	2480	2726	2922	3006	3024	3034	3093	3111	3152	3190	3240	3349	3358	3470
					Formation	STONE CORAL	BASE ROOT SHALE	TOPEKA	QUEEN HILL SH	HEEBNER	TORONTO	DOUGLAS SHALE	BROWN LIME	LANSING	LANSING "D" ZONE	LANSING "G" ZONE	LANSING "H" ZONE	BKC	ARBUCKLE	Total Depth



Curts Oil Operations

29-16s-12w Barton KS

PO BOX 328

Hoisington KS 67544

5-H #1

Job Ticket: 67853

DST#:1

ATTN: Clayton Camozzi

Test Start: 2021.12.03 @ 08:35:00

GENERAL INFORMATION:

Formation:

Time Tool Opened: 10:34:37

Time Test Ended: 16:27:26

LKC A-C

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

3099.00 ft (KB) To 3147.00 ft (KB) (TVD)

7.88 inches Hole Condition:

3147.00 ft (KB) (TVD)

Reference Elevations: 1906.00 ft (KB) 1899.00 ft (CF)

KB to GR/CF:

7.00 ft

psig

Serial #: 8875

Inside

Press@RunDepth:

166.77 psig @

3102.00 ft (KB)

2021.12.03

Capacity: Last Calib.:

2021.12.03

Start Date: Start Time:

Deviated:

Interval:

Total Depth:

Hole Diameter:

2021.12.03 08:35:01

End Date: End Time:

16:27:26

Time On Btm: 2021.12.03 @ 10:34:07

Time Off Btm:

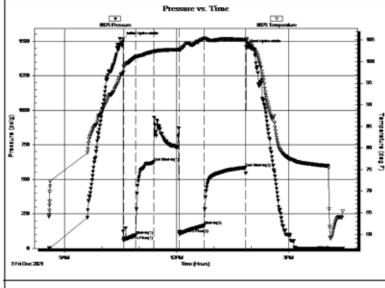
2021.12.03 @ 13:51:56

TEST COMMENT: 20-IF-Slid 8' Bled off Surface to 8"

60-ISI-Very Weak Surface Blow Tool slid and trapped hydrostatic pressure

40-FF-Surface to 9"

60-FSI-Very Weak Surface Blow



1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1512.89	97.31	Initial Hydro-static
	1	57.55	97.60	Open To Flow (1)
	21	97.64	101.14	Shut-In(1)
,	50	627.85	102.34	End Shut-In(1)
	91	108.07	102.70	Open To Flow (2)
	131	166.77	105.41	Shut-In(2)
ì	198	584.82	105.03	End Shut-In(2)
1	198	1459.00	105.25	Final Hydro-static

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
230.00	Water 100%W	2.98
90.00	Mud w /oil spots	1.28
0.00	30' GIP	0.00

_		
Gas		
Cass	Ra	PS

|--|



Curts Oil Operations

5-H #1

PO BOX 328

Hoisington KS 67544

Job Ticket: 67854

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2021.12.04 @ 02:21:00

29-16s-12w Barton KS

GENERAL INFORMATION:

Time Tool Opened: 04:10:57

Time Test Ended: 07:44:12

Formation:

Deviated:

Interval:

Total Depth:

Hole Diameter:

LKC D-F

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Reference Elevations:

1906.00 ft (KB)

1899.00 ft (CF) 7.00 ft

KB to GR/CF:

Serial #: 8875

Outside

3185.00 ft (KB) (TVD)

Press@RunDepth:

41.32 psig @

3153.00 ft (KB) To 3185.00 ft (KB) (TVD)

7.88 inches Hole Condition:

3154.00 ft (KB)

2021.12.04

Capacity: Last Calib.: psig

Start Date: Start Time: 2021.12.04 02:21:01 End Date: End Time:

07:44:12

Time On Btm:

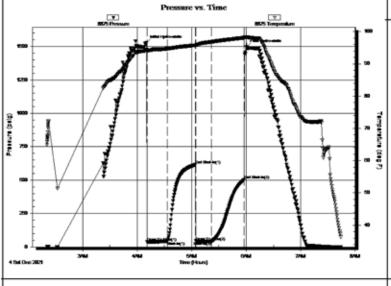
2021.12.04 2021.12.04 @ 04:10:32

Time Off Btm:

2021.12.04 @ 06:00:22

TEST COMMENT: 20-IF-Slid 6' Bled off Surface to 1/4"

30-ISI-No Return 15-FF-Surface Died 30-FSI-No Return



PRESSURE SUMMARY

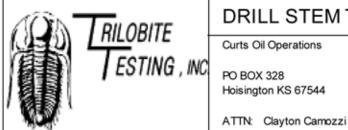
Time	Pressure	Temp	Annotation	
(Min.)	(psig)	(deg F)		
0	1526.99	94.34	Initial Hydro-static	
1	38.42	94.11	Open To Flow (1)	
23	41.23	94.70	Shut-In(1)	
54	615.12	95.75	End Shut-In(1)	
55	43.14	95.60	Open To Flow (2)	
72	41.32	96.81	Shut-In(2)	
108	503.20	98.08	End Shut-In(2)	
110	1495.70	98.28	Final Hydro-static	
	1		I	

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud 100%M	0.36

Gas Rates

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



Curts Oil Operations

PO BOX 328 Hoisington KS 67544

29-16s-12w Barton KS

5-H #1

Tester:

Unit No:

Last Calib.:

Job Ticket: 67855

DST#: 3

Test Start: 2021.12.05 @ 03:23:00

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 05:18:27 Time Test Ended: 08:49:32

Interval:

Hole Diameter:

Start Date:

3340.00 ft (KB) To 3368.00 ft (KB) (TVD)

7.88 inches Hole Condition:

Total Depth: 3368.00 ft (KB) (TVD) Reference Bevations: 1906.00 ft (KB)

Spencer J Staab

1899.00 ft (CF)

KB to GR/CF: 7.00 ft

2021.12.05

Serial #: 8875 Outside

Press@RunDepth: 40.06 psig @ 3341.00 ft (KB) Capacity:

End Date:

psig

Start Time: End Time: Time On Btm: 2021.12.05 @ 05:17:52 03:23:01 08:49:32

2021.12.05

Time Off Btm: 2021.12.05 @ 06:50:57

84

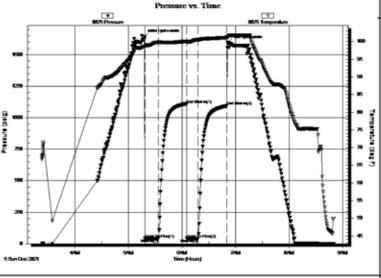
TEST COMMENT: 15-IF-Slid 6' Bled off Surface to 1/4"

30-ISI-No Return

2021.12.05

10-FF-Weak Surface Died

30-FSI-No Return



PRESSURE SUMMARY

1	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	1641.00	98.58	Initial Hydro-static	
	1	39.87	98.63	Open To Flow (1)	
	16	39.58	99.79	Shut-In(1)	
	47	1107.72	100.03	End Shut-In(1)	
	48	41.69	99.72	Open To Flow (2)	
	60	40.06	100.55	Shut-In(2)	
	93	1093.85	101.16	End Shut-In(2)	
	94	1595.26	101.30	Final Hydro-static	

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 10%o 90%M	0.43

Gas Rates

Choke (inches) Pre	essure (psig)	Gas Rate (Mcf/d)
--------------------	---------------	------------------



Curts Oil Operations

5-H #1

PO BOX 328

Job Ticket: 67856

Hoisington KS 67544

DST#:4

ATTN: Clayton Camozzi

Test Start: 2021.12.05 @ 17:30:00

29-16s-12w Barton KS

GENERAL INFORMATION:

Formation:

Interval:

Arbuckle

Deviated: No Time Tool Opened: 20:02:37

Time Test Ended: 23:53:51

Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

3342.00 ft (KB) To 3380.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Total Depth: 3380.00 ft (KB) (TVD) Reference Elevations:

1906.00 ft (KB) 1899.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8875

Hole Diameter:

Outside

Press@RunDepth:

29.90 psig @

3343.00 ft (KB)

Capacity:

psig

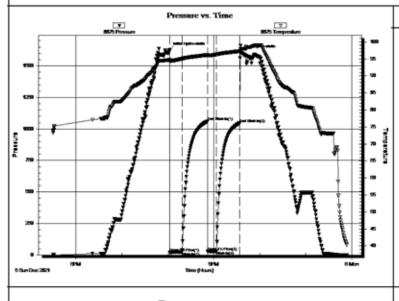
Start Date: Start Time: 2021.12.05 17:30:01 End Date: End Time: 2021.12.05 23:53:52 Last Calib.: 2021.12.05 Time On Btm: 2021.12.05 @ 20:02:27

Time Off Btm: 2021.12.05 @ 21:34:51

PRESSURE SUMMARY

TEST COMMENT: 15-IF-Surface to 1/4"

30-ISI-No Return 10-FF-No Blow 30-FSI-No Return



TREGOGILE COMMINICI				
Time	Pressure	Temp	Annotation	
(Min.)	(psig)	(deg F)		
0	1627.79	94.66	Initial Hydro-static	
1	19.93	94.32	Open To Flow (1)	
16	25.64	95.03	Shut-In(1)	
50	1059.73	96.13	End Shut-In(1)	
50	29.06	95.73	Open To Flow (2)	
61	29.90	96.29	Shut-In(2)	
91	1045.28	97.26	End Shut-In(2)	
93	1608.39	97.98	Final Hydro-static	

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MCO 50%M 50%O	0.07

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mct/d)
Obele (inches)	December (code)	O D-1 (M-6/6)

