

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

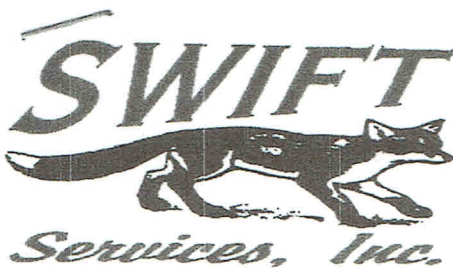
1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300



9752

Invoice

DATE	INVOICE #
4/4/2018	31427

BILL TO
D K Operating, Inc. 621 Benton Street Jetmore, KS 67854

OK 3197
 4-26-18
 • Acidizing
 • Cement
 • Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-12	Ripple	Ness	Company Tools	Oil	Development	Cement 5 1/2 Por...	David K.

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	20	Miles	5.00	100.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars	1	Job	1,300.00	1,300.00
330	Swift Multi-Density Standard (MIDCON II)	235	Sacks	16.25	3,818.75T
276	Flocele	50	Lb(s)	2.50	125.00T
290	D-Air	3	Gallon(s)	42.00	126.00T
105	Port Collar Tool Rental With Man	1	Each	275.00	275.00T
581D	Service Charge Cement	250	Sacks	1.75	437.50
582D	Minimum Drayage Charge	1	Each	250.00	250.00
	Subtotal				6,432.25
	Sales Tax Ness County			6.50%	282.41

We Appreciate Your Business!

Total

\$6,714.66

SWIFT Services, Inc.

DATE 4-4-18 PAGE NO. 1

CUSTOMER D.K. Operating WELL NO. 1-12 LEASE Ripple JOB TYPE Port Collar TICKET NO. #31427

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1145							on location 2 7/8" x 5 1/2"
								P.C. - 1456
	1520	∅	∅			1000		Pressure Test *Hold*
								Open P.C.
	1530	2	4			200		Injection Rate
	1535	3 1/2	130			300		mix 235 stks SMO 1/4" Flg @ 11.2 ppg circulate cement to surface - 20 stks
		3 1/2	8			500		Displace Cement
	1705	∅	∅			1000		Close P.C. *Test Hold*
								Run 3 Jts
	1725	3	25			300		Reverse Clean
								wash up truck
								* 235 stks total * * 20 stks to P.C. *
	1800							Job Complete

Thank You
Dave Preston Kirby



CHARGE TO: DK Operating
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 031427

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Jess City KS</u>	WELL/PROJECT NO. <u>#1-12</u>	LEASE <u>R. P. P.</u>	COUNTY/PARISH <u>Jess</u>	STATE <u>KS</u>	CITY <u>Jess City KS</u>	DATE <u>4-4-18</u>	OWNER <u>Seane</u>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Car Tools</u>	RIG NAME/NO.	SHIPPED VIA <u>A</u>	DELIVERED TO <u>Location</u>	WELL PERMIT NO.	ORDER NO.	
3. WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 5 1/2" Port Collar</u>				WELL LOCATION <u>Jess City - 95, 45, 21mb</u>	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY. U/M			UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY.	U/M	QTY.			U/M
575												
576 D					Trk # 115				20	mi	100	00
330					Pump Charge - Port Collar				1	job	1300	00
276					SMB Cement				235	lbs	16	25
290					Floode				1/4	lb	50	115
105					D-Air				3	gal	42	00
					Port Collar Tool Rental				5 1/2	in	1	job
581					Service Charge Cement				250	slk	1	75
582					Minimum Drayage Charge				1	car	250	00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
 DATE SIGNED 4-4-18 TIME SIGNED 1:00 A.M. P.M.
 OPERATOR David Muehn

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

PAGE TOTAL 6432 25

TOTAL 6714 66

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

APPROVAL _____

Thank You!



V445
 P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300



pd 4-11-18
 CF# 3173

Invoice

DATE	INVOICE #
3/21/2018	31259

BILL TO
D K Operating, Inc. 621 Benton Street Jetmore, KS 67854

Acc # 9752

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-12	Ripple	Ness	Pickrell Drilling R...	Oil	Development	Cement Long Str...	Blaine

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	20	Miles	5.00	100.00
578D-L	Pump Charge - Long String	1	Job	1,300.00	1,300.00
402-5	5 1/2" Centralizer	9	Each	70.00	630.00T
403-5	5 1/2" Cement Basket	2	Each	275.00	550.00T
404-5	5 1/2" Port Collar	1	Each	2,500.00	2,500.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	325.00	325.00T
325	Standard Cement	175	Sacks	13.00	2,275.00T
284	Calseal	8	Sack(s)	35.00	280.00T
283	Salt	900	Lb(s)	0.20	180.00T
292	Halad 322	125	Lb(s)	8.00	1,000.00T
276	Flocele	50	Lb(s)	2.50	125.00T
290	D-Air	1	Gallon(s)	42.00	42.00T
281	Mud Flush	500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00T
581D	Service Charge Cement	175	Sacks	1.75	306.25
582D	Minimum Drayage Charge	1	Each	250.00	250.00
	Subtotal				10,913.25
	Sales Tax Ness County			6.50%	582.21

We Appreciate Your Business!	Total	\$11,495.46
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SWIFT Services, Inc.

OPER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
DK Operating		1-12		Ripple		cement long string		31259	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
									1756k SA-2 cement w/ 1/4# floccle 5 1/2" x 17# casing 105 jts 4356' TO = 4352' shoe jts 42.89 Centralizee 1, 3, 5, 7, 9, 11, 13, 69, 71 Broken 69, 70 Port Colts #70 1456'
	1100								on loc TRK 114
	1440								start 5 1/2 x 17# casing in well
	1630								Drop ball - circulate
	1730	4	12				200		Plug Pump 500 gal mud flush
		4	20				200		Pump 20 bbl KCL flush
	1737		5						Plug RH 30sk
	1743	3 3/4	37				200		Mix SA-2 cement 145sk @ 15.3 ppg
									Drop latch down plug wash out pump & line
	1805	5 1/4					200		Displace plug
		5 1/4	77				400		
		5 1/4	95				650		
	1830	5 1/4	101				1550		Land plug
									Release pressure to truck - deval up
	1834								wash truck
									Rack up
	1850								job complete
									Trucks
									Blaine, Flint & Squatch



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 31259

CUSTOMER: DK Operating

WELL: Ripple 1-12

DATE: 21 MAR 18 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		DATE	UNIT PRICE	AMOUNT
		LOG	ACCT	DF			QTY	U/M			
325		1				Student Benefit (502 EA-2)	175	sk		13.00	2275.00
284		1				calseal	800	lb		35.00	2800.00
883		1				salt	900	lb		8.50	7650.00
292		1				halad - 322	125	lb		8.00	1000.00
276		1				Fluore	50	lb		2.50	125.00
290		1				D-are	1	gal		42.00	42.00
281		1				mudflush	500	gal		1.50	750.00
221		1				KCL liquid	2	gal		25.00	50.00
582		1				Drayage (wind)				250.00	250.00
581		1				SERVICE CHARGE				175	306.25
						MILEAGE CHARGE					
						TOTAL WEIGHT	1926				
						LOADED MILES	20				
						CUBIC FEET	1.24				
						TON MILES					

CONTINUATION TOTAL 5258.25

Geological Report

Ripple #1-12
335' FSL & 1110' FWL
Sec. 12 T20s R23w
Ness County, Kansas



DK Operating, Inc.

General Data

Well Data: DK Operating, Inc.
Ripple #1-12
335' FSL & 1110' FWL
Sec. 12 T20s R23w
Ness County, Kansas
API # 15-135-25994-0000

Drilling Contractor: Pickrell Drilling Rig #10

Geologist: Jason T Alm

Spud Date: March 13, 2018

Completion Date: March 21, 2018

Elevation: 2221' Ground Level
2228' Kelly Bushing

Directions: Bazine KS, West on Hwy 96 to AA Rd. South 9
mi. to 40 Rd. West $\frac{3}{4}$ mi. North into location.

Casing: 262' 8 5/8" surface casing
4351' 5 1/2" production casing

Samples: 10' wet and dry, 3950' to RTD

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: Three, Trilobite Testing, Inc. "Ray Schwager"

Problems: None

Remarks: None

Formation Tops

	DK Operating, Inc. Ripple #1-12 Sec. 12 T20s R23w 335' FSL & 1110' FWL
Formation	
Anhydrite	1423' +805
Base	1456' +772
Heebner	3667' -1439
Lansing	3715' -1487
BKC	4036' -1808
Pawnee	4155' -1927
Fort Scott	4225' -1997
Cherokee	4250' -2022
Miss Warsaw	4318' -2090
Miss Osage	4336' -2108
RTD	4352' -2124

Sample Zone Descriptions

- Fort Scott** (4225', -1997): **Covered in DST #1**
 Ls – Fine crystalline, oolitic in part with fair to scattered good inter-crystalline and oomoldic porosity, light to good oil stain with light brown saturation, fair show of free oil, fair odor, good yellow fluorescents.
- Miss Warsaw** (4318', -2090): **Covered in DST #2**
 Dolo – Fine with poor to scattered fair inter-crystalline and vuggy porosity, light to good oil stain, few rocks with good saturation, slight show of free oil, fair to good odor, slightly cherty.
- Miss Osage** (4344', -2118): **Covered in DST #2,3**
 Δ – Dolo – Mostly fresh, mottled with tan dolomite, fine crystalline, sucrosic in part with fair inter-crystalline and vuggy porosity, light to fair brown oil stain, edge stain in chert, fair show of free oil, good odor, fair to good yellow fluorescents.

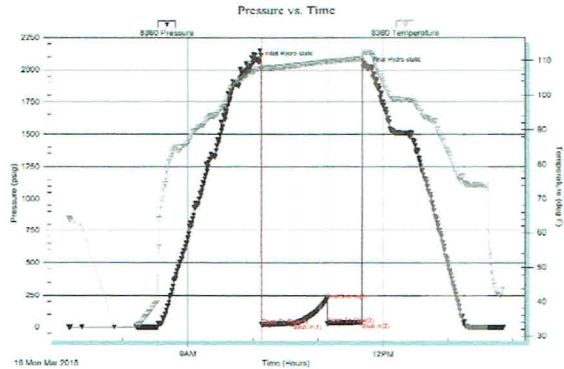
Drill Stem Tests
Trilobite Testing, Inc.
"Ray Schwager"

DST #1 Fort Scott

Interval (4205' – 4260') Anchor Length 55'

IHP – 2059 #
IFP – 30" – Built to 1 ½ in. 18-29 #
ISI – 30" – Dead 217 #
FFP – 30" – Built to ½ in. 27-36 #
FHP – 2012 #
BHT – 110°F

Recovery: 30' SOCM 5% Oil

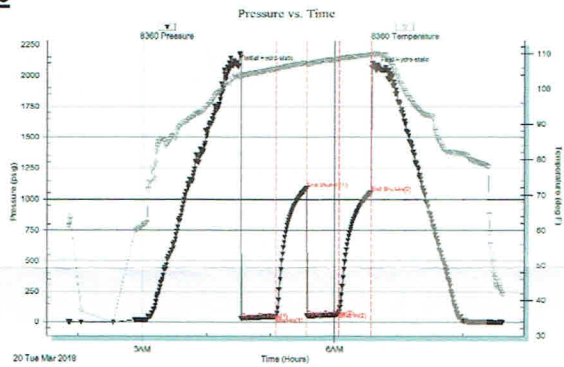


DST #2 Mississippian Warsaw, Osage

Interval (4266' – 4344') Anchor Length 78'

IHP – 2073 #
IFP – 30" – Built to 1 ½ in. 25-44 #
ISI – 30" – Dead 1088 #
FFP – 30" – S.B. 47-97 #
FSI – 30" – Dead 1054 #
FHP – 2061 #
BHT – 109°F

Recovery: 10' Clean Oil
80' HO&GCM 40% Oil

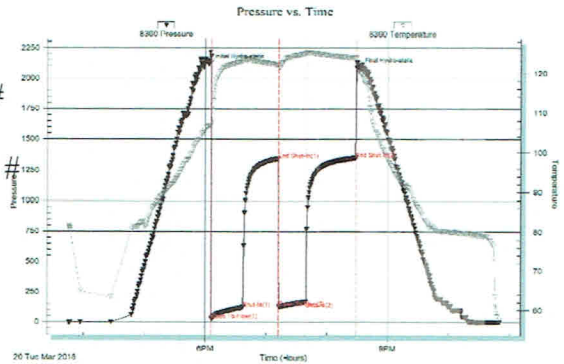


DST #3 Mississippian Osage

Interval (4344' – 4352') Anchor Length 8'

IHP – 2113 #
IFP – 30" – B.O.B. 15 min. 25-122 #
ISI – 30" – S.B. 1343 #
FFP – 30" – Built to 8 ½ in. 126-169 #
FSI – 45" – Built to ½ in. 1349 #
FHP – 2079 #
BHT – 125°F

Recovery: 85' Clean Oil
150' Water w/ show of oil
120' Water, Chl 20k



Structural Comparison

Formation	DK Operating, Inc. Ripple #1-12 Sec. 12 T20s R23w 335' FSL & 1110' FWL	Pickrell Drilling Co. Ripple A #1 Sec. 12 T20s R23w C SE SW		Pickrell Drilling Co. Maranville #2 Sec. 13 T20s R23w C NE NW	
Anhydrite	1423' +805	1431' +797	(+8)	1419' +807	(-2)
Base	1456' +772	1468' +760	(+12)	NA	NA
Heebner	3667' -1439	3677' -1449	(+10)	3666' -1440	(+1)
Lansing	3715' -1487	3725' -1497	(+10)	3714' -1488	(+1)
BKC	4036' -1808	NA	NA	NA	NA
Pawnee	4155' -1927	4174' -1946	(+19)	4158' -1932	(+5)
Fort Scott	4225' -1997	4245' -2017	(+20)	4228' -2002	(+5)
Cherokee	4250' -2022	4269' -2041	(+19)	4252' -2026	(+4)
Miss Warsaw	4318' -2090	4341' -2113	(+23)	4307' -2081	(-9)
Miss Osage	4336' -2108	4364' -2135	(+27)	4335' -2109	(+1)

Summary

The location for the Ripple #1-12 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Three Drill Stem Tests were conducted, one of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Ripple #1-12 well.

Recommended Perforations

Primary:

Mississippian Osage 4336' – 4346' DST #2,3

I recommend shooting deeper before treating if these perf's don't give up fluid

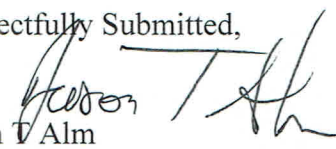
Secondary:

Mississippian Warsaw 4318' – 4332' DST #2

Before Abandonment:

Fort Scott 4240' – 4249' DST #1

Respectfully Submitted,


Jason T Alm
Hard Rock Consulting, Inc.



DRILL STEM TEST REPORT

Prepared For: **DK Operating Inc**

621 Benton St
Jetmore KS 67854

ATTN: Jason Alm

Ripple #1-12

12-20s-23w Ness,KS

Start Date: 2018.03.19 @ 07:10:14

End Date: 2018.03.19 @ 13:51:08

Job Ticket #: 63525 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.03.21 @ 09:53:53



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DK Operating Inc
 621 Benton St
 Jetmore KS 67854
 ATTN: Jason Alm

12-20s-23w Ness, KS
Ripple #1-12
 Job Ticket: 63525 **DST#: 1**
 Test Start: 2018.03.19 @ 07:10:14

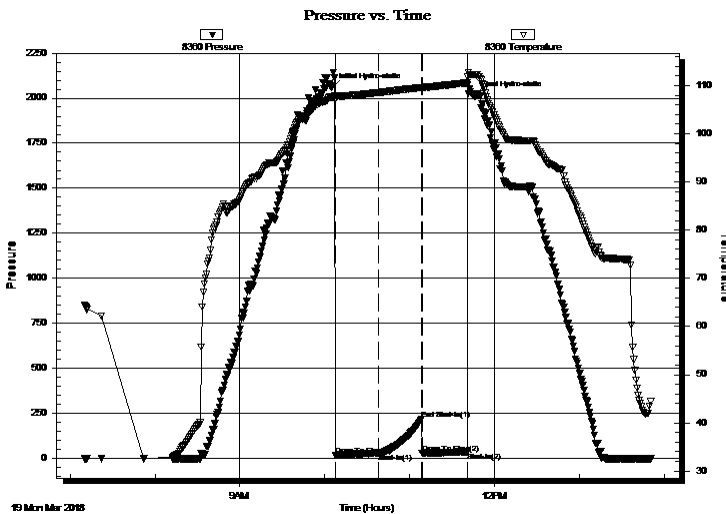
GENERAL INFORMATION:

Formation: **Fort Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:07:54
 Time Test Ended: 13:51:08
 Interval: **4205.00 ft (KB) To 4260.00 ft (KB) (TVD)**
 Total Depth: 4260.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 2228.00 ft (KB)
 2221.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8360 Inside
 Press@RunDepth: 28.91 psig @ 4207.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.03.19 End Date: 2018.03.19 Last Calib.: 2018.03.19
 Start Time: 07:10:14 End Time: 13:51:08 Time On Btm: 2018.03.19 @ 10:05:09
 Time Off Btm: 2018.03.19 @ 11:45:38

TEST COMMENT: 30-IFP-weak blow thru-out 1/4" to 1/2" blow
 30-IFIP-no blow
 30-FFP-weak blow thru-out 1/4" to 1/2" blow
 pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2059.14	107.57	Initial Hydro-static
3	18.53	107.38	Open To Flow (1)
33	28.91	108.53	Shut-In(1)
64	217.32	109.59	End Shut-In(1)
64	27.59	109.55	Open To Flow (2)
96	35.66	110.55	Shut-In(2)
101	2011.76	112.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOCM 5% O95%M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

DK Operating Inc
621 Benton St
Jetmore KS 67854
ATTN: Jason Alm

12-20s-23w Ness,KS
Ripple #1-12
Job Ticket: 63525 **DST#: 1**
Test Start: 2018.03.19 @ 07:10:14

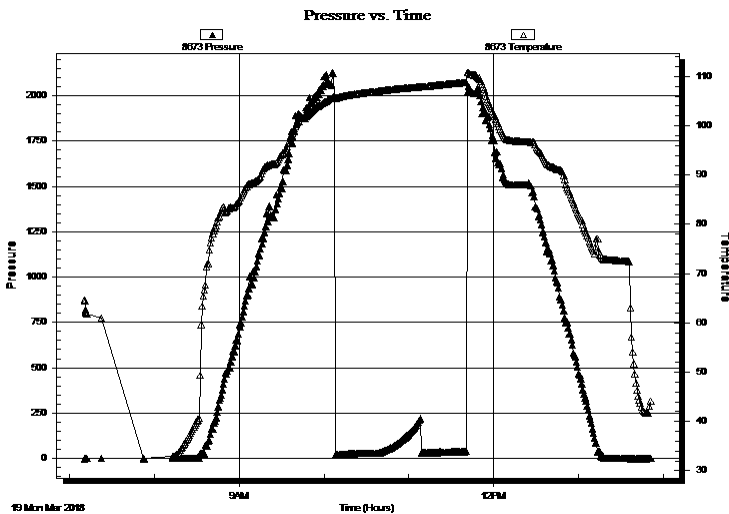
GENERAL INFORMATION:

Formation: **Fort Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:07:54
Time Test Ended: 13:51:08
Interval: **4205.00 ft (KB) To 4260.00 ft (KB) (TVD)**
Total Depth: 4260.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches
Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schwager
Unit No: 77
Reference Elevations: 2228.00 ft (KB)
2221.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8673 **Outside**
Press@RunDepth: psig @ 4207.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.03.19 End Date: 2018.03.19 Last Calib.: 2018.03.19
Start Time: 07:10:43 End Time: 13:51:07 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IFP-weak blow thru-out 1/4" to 1/2 " blow
30-IFIP-no blow
30-FFP-weak blow thru-out 1/4" to 1/2" blow
pulled tool

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOCM 5% O95%M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DK Operating Inc
621 Benton St
Jetmore KS 67854
ATTN: Jason Alm

12-20s-23w Ness, KS
Ripple #1-12
Job Ticket: 63525 **DST#: 1**
Test Start: 2018.03.19 @ 07:10:14

Tool Information

Drill Pipe:	Length: 4062.00 ft	Diameter: 3.80 inches	Volume: 56.98 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4205.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4177.00	
Shut In Tool	5.00			4182.00	
Hydraulic tool	5.00			4187.00	
Jars	5.00			4192.00	
Safety Joint	3.00			4195.00	
Packer	5.00			4200.00	29.00 Bottom Of Top Packer
Packer	5.00			4205.00	
Stubb	1.00			4206.00	
Perforations	1.00			4207.00	
Recorder	0.00	8360	Inside	4207.00	
Recorder	0.00	8673	Outside	4207.00	
Blank Spacing	33.00			4240.00	
Perforations	17.00			4257.00	
Bullnose	3.00			4260.00	55.00 Bottom Packers & Anchor

Total Tool Length: 84.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DK Operating Inc

12-20s-23w Ness,KS

621 Benton St
Jetmore KS 67854

Ripple #1-12

Job Ticket: 63525

DST#: 1

ATTN: Jason Alm

Test Start: 2018.03.19 @ 07:10:14

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.34 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SOCM 5%O95%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

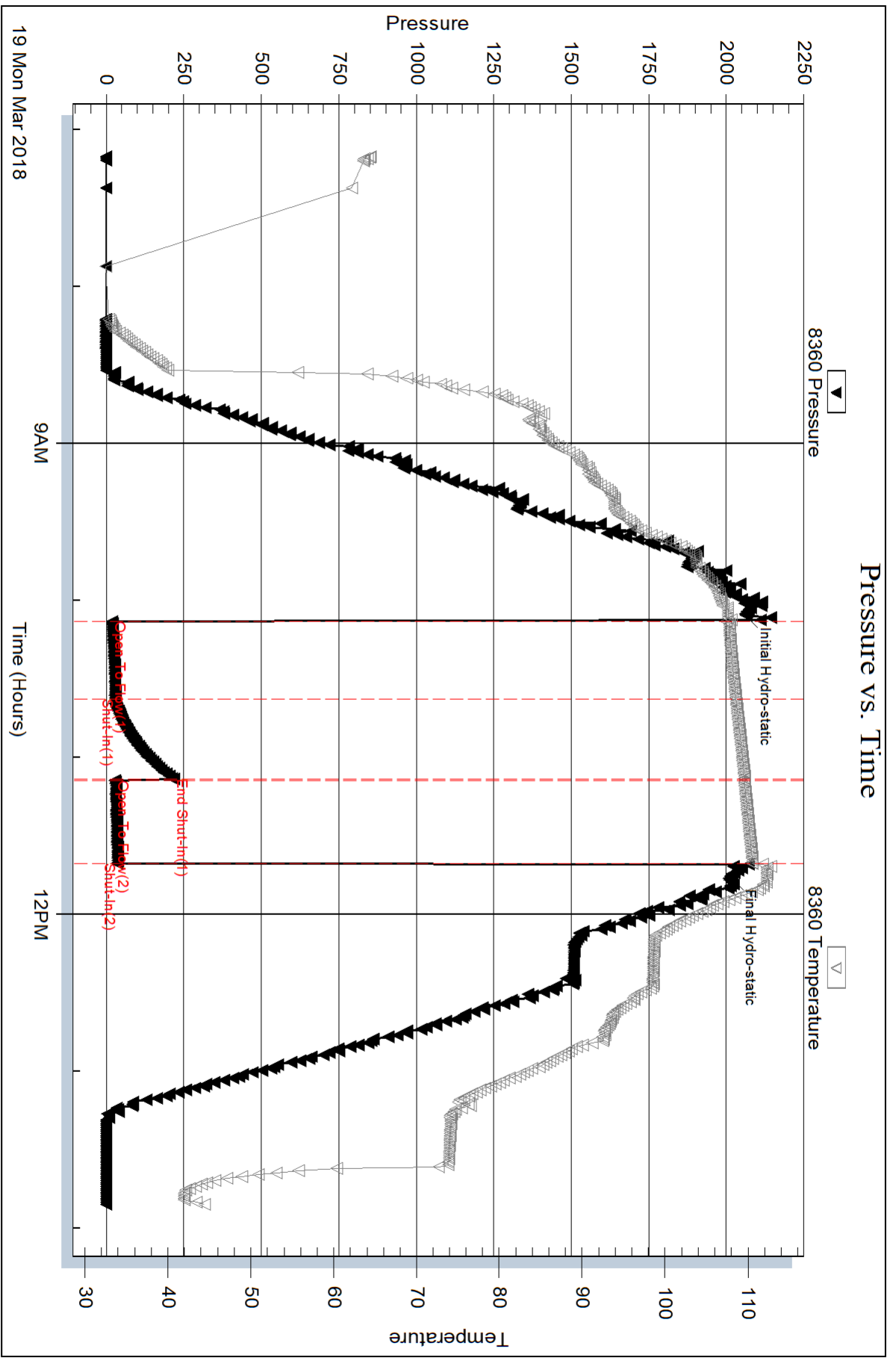
Num Gas Bombs: 0

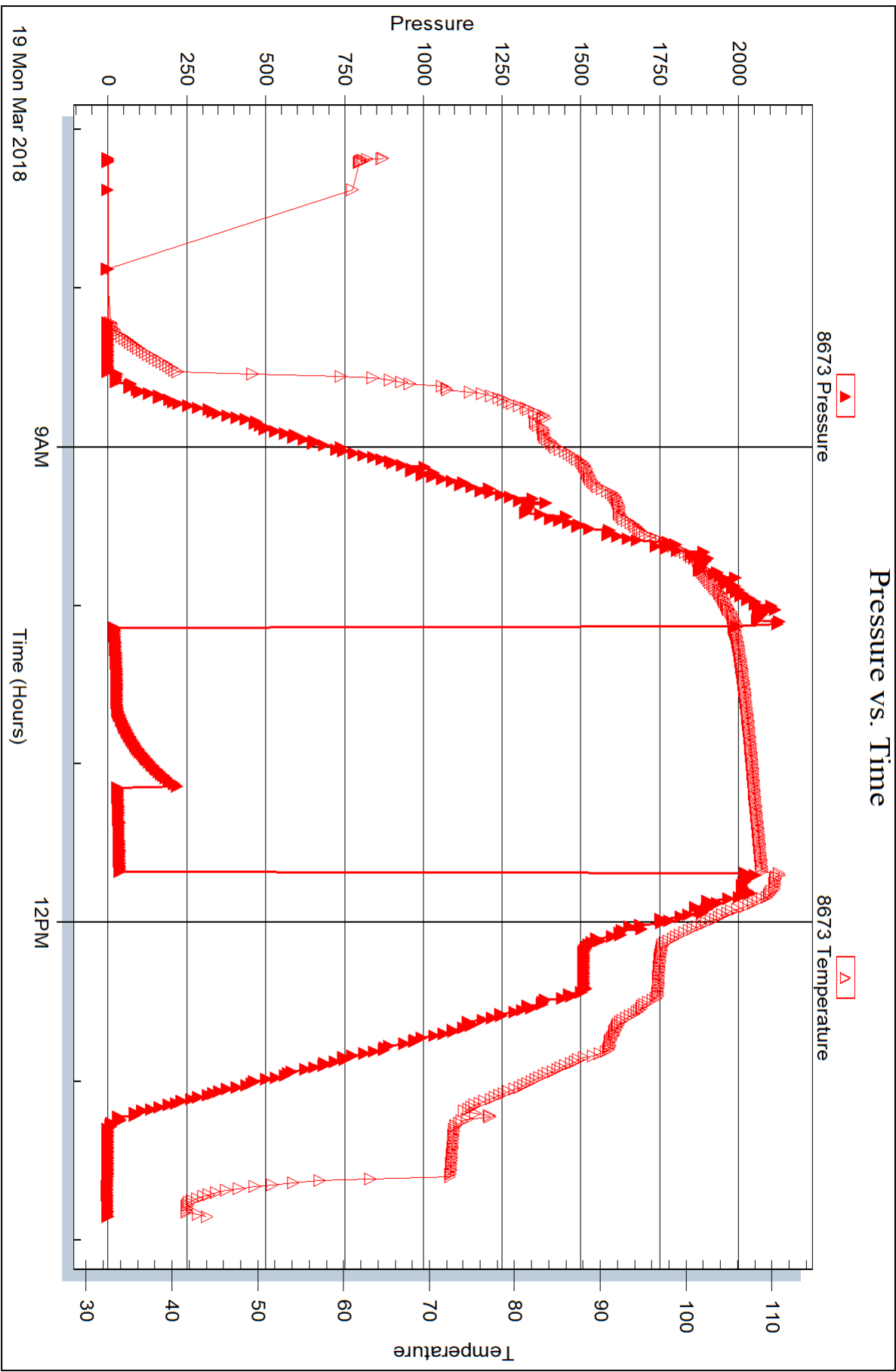
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **DK Operating Inc**

621 Benton St
Jetmore KS 67854

ATTN: Jason Alm

Ripple #1-12

12-20s-23w Ness,KS

Start Date: 2018.03.20 @ 01:50:37

End Date: 2018.03.20 @ 08:37:01

Job Ticket #: 63851 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.03.21 @ 09:52:55



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DK Operating Inc
 621 Benton St
 Jetmore KS 67854
 ATTN: Jason Alm

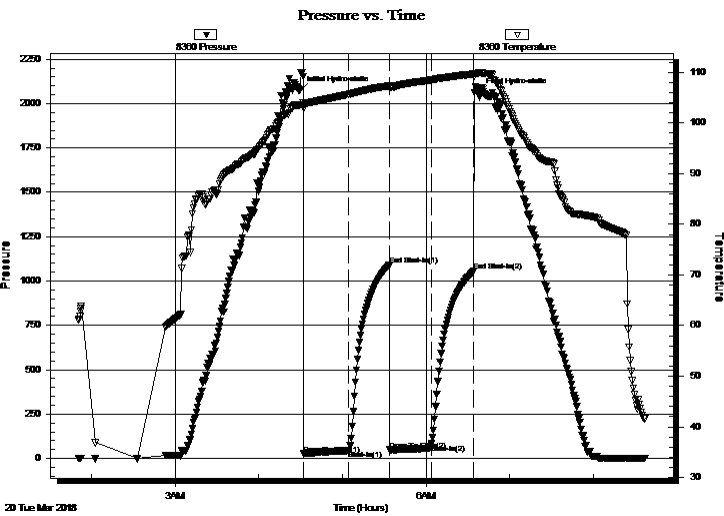
12-20s-23w Ness, KS
Ripple #1-12
 Job Ticket: 63851 **DST#: 2**
 Test Start: 2018.03.20 @ 01:50:37

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:32:17
 Time Test Ended: 08:37:01
 Interval: **4266.00 ft (KB) To 4344.00 ft (KB) (TVD)**
 Total Depth: 4344.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 2228.00 ft (KB)
 2221.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8360 Inside
 Press@RunDepth: 79.03 psig @ 4277.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.03.20 End Date: 2018.03.20 Last Calib.: 2018.03.20
 Start Time: 01:50:37 End Time: 08:37:01 Time On Btm: 2018.03.20 @ 04:29:32
 Time Off Btm: 2018.03.20 @ 06:38:01

TEST COMMENT: 30-IFP-weak blow thru-out 1/4" to 1 1/2" blow
 30-ISIP-no blow back
 30-FFP-no blow 1st 5 min, then surface bl thru-out
 30-FSIP-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2072.76	103.53	Initial Hydro-static
3	25.61	102.92	Open To Flow (1)
35	43.79	105.67	Shut-In(1)
65	1088.41	107.35	End Shut-In(1)
65	47.85	106.95	Open To Flow (2)
95	79.03	108.49	Shut-In(2)
125	1054.49	109.66	End Shut-In(2)
129	2060.52	109.89	Final Hydro-static

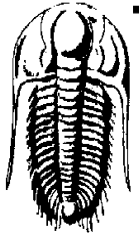
Recovery

Length (ft)	Description	Volume (bbl)
80.00	HO&GCM 40%O10%G50%M	0.39
10.00	CO	0.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DK Operating Inc
 621 Benton St
 Jetmore KS 67854
 ATTN: Jason Alm

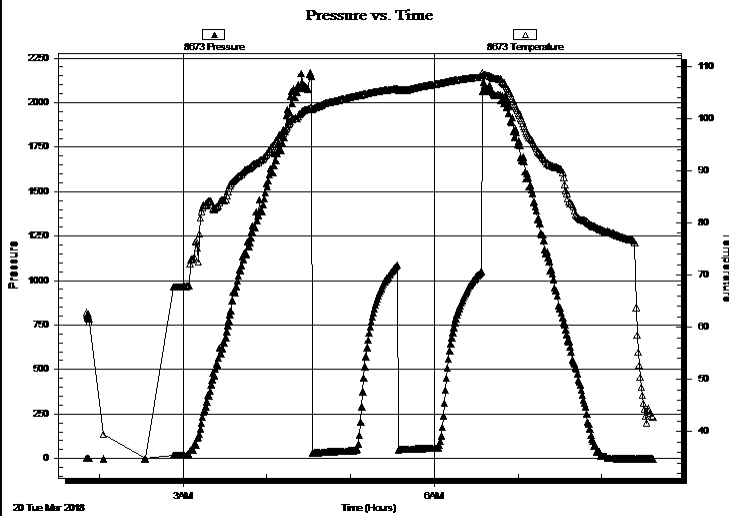
12-20s-23w Ness,KS
Ripple #1-12
 Job Ticket: 63851 **DST#: 2**
 Test Start: 2018.03.20 @ 01:50:37

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 04:32:17 Tester: Ray Schwager
 Time Test Ended: 08:37:01 Unit No: 77
Interval: 4266.00 ft (KB) To 4344.00 ft (KB) (TVD) Reference Elevations: 2228.00 ft (KB)
 Total Depth: 4344.00 ft (KB) (TVD) 2221.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8673 Outside
 Press@RunDepth: psig @ 4277.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.03.20 End Date: 2018.03.20 Last Calib.: 2018.03.20
 Start Time: 01:50:55 End Time: 08:37:04 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IFP-weak blow thru-out 1/4" to 1 1/2" blow
 30-ISIP-no blow back
 30-FFP-no blow 1st 5 min, then surface bl thru-out
 30-FSIP-no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
80.00	HO&GCM 40%O10%G50%M	0.39
10.00	CO	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DK Operating Inc
621 Benton St
Jetmore KS 67854
ATTN: Jason Alm

12-20s-23w Ness, KS
Ripple #1-12
Job Ticket: 63851 **DST#: 2**
Test Start: 2018.03.20 @ 01:50:37

Tool Information

Drill Pipe:	Length: 4125.00 ft	Diameter: 3.80 inches	Volume: 57.86 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume: 58.45 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4266.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	107.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4238.00	
Shut In Tool	5.00			4243.00	
Hydraulic tool	5.00			4248.00	
Jars	5.00			4253.00	
Safety Joint	3.00			4256.00	
Packer	5.00			4261.00	29.00 Bottom Of Top Packer
Packer	5.00			4266.00	
Stubb	1.00			4267.00	
Perforations	10.00			4277.00	
Recorder	0.00	8360	Inside	4277.00	
Recorder	0.00	8673	Outside	4277.00	
Blank Spacing	64.00			4341.00	
Bullnose	3.00			4344.00	78.00 Bottom Packers & Anchor

Total Tool Length: 107.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DK Operating Inc

12-20s-23w Ness,KS

621 Benton St
Jetmore KS 67854

Ripple #1-12

Job Ticket: 63851

DST#: 2

ATTN: Jason Alm

Test Start: 2018.03.20 @ 01:50:37

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.55 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	HO&GCM 40%O10%G50%M	0.393
10.00	CO	0.049

Total Length: 90.00 ft Total Volume: 0.442 bbl

Num Fluid Samples: 0

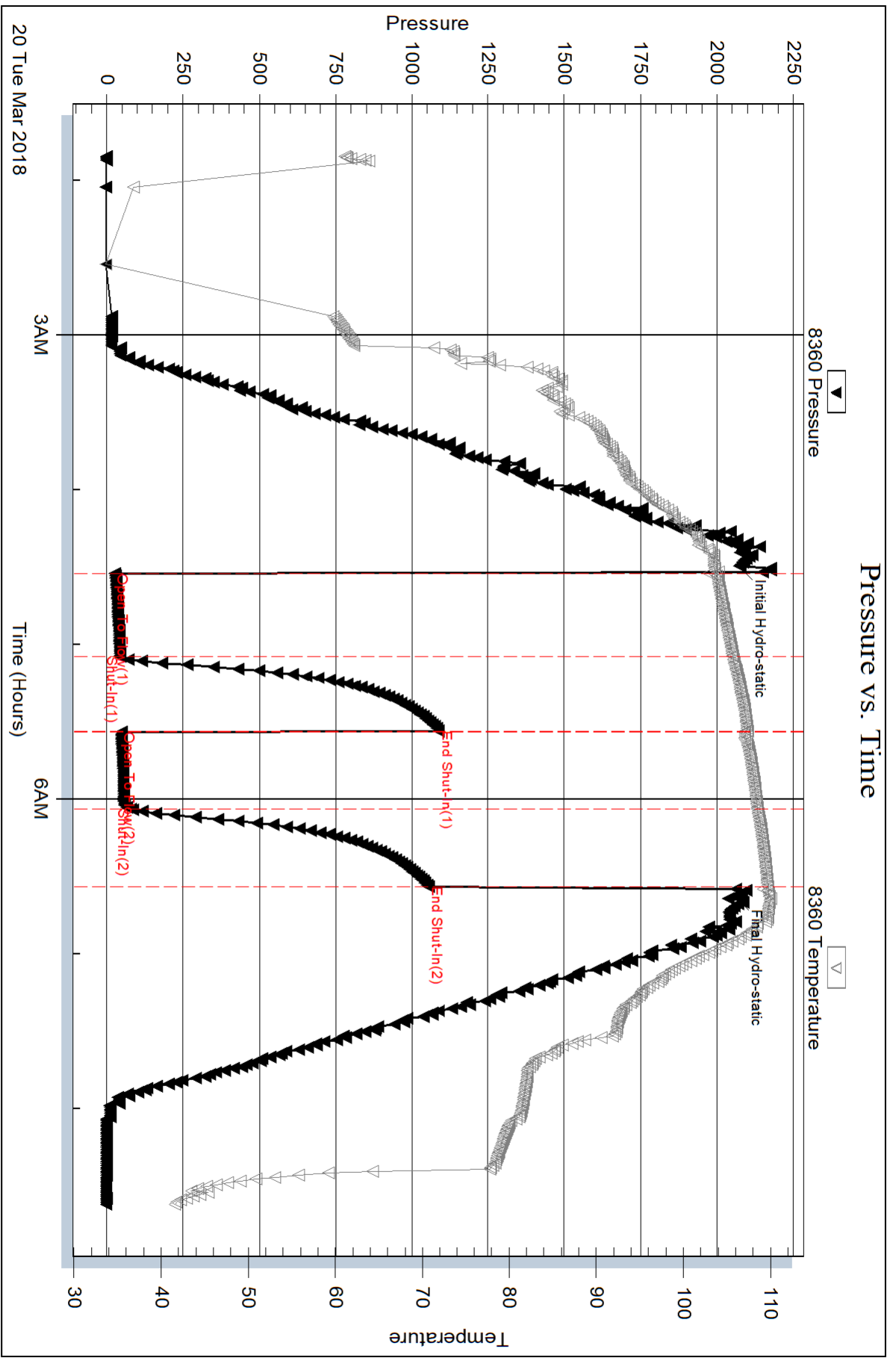
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

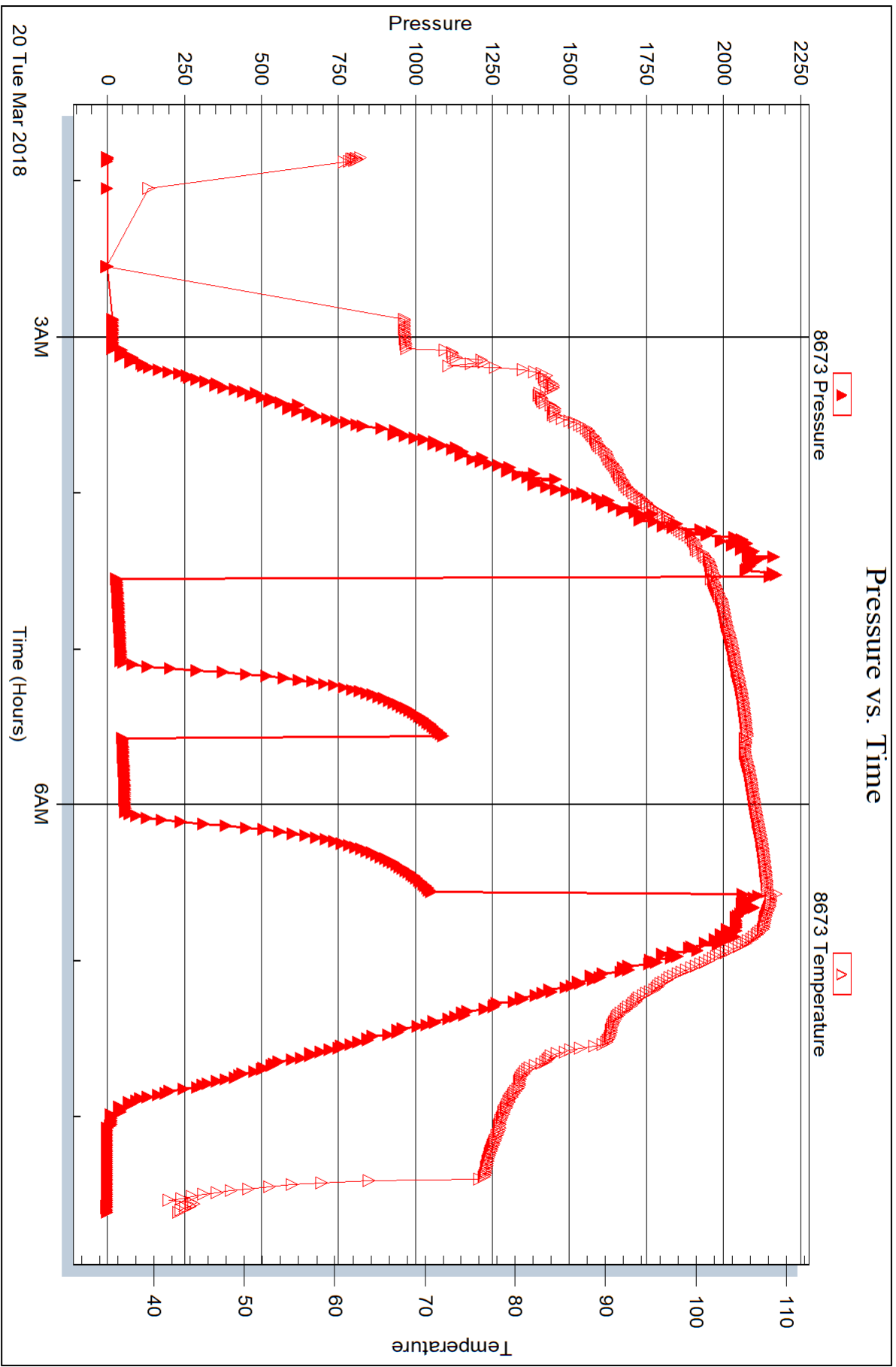


Serial #: 8673

Outside DK Operating Inc

Ripple #1-12

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **DK Operating Inc**

621 Benton St
Jetmore KS 67854

ATTN: Jason Alm

Ripple #1-12

12-20s-23w Ness,KS

Start Date: 2018.03.20 @ 15:45:17

End Date: 2018.03.20 @ 22:49:56

Job Ticket #: 63852 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.03.21 @ 09:49:25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DK Operating Inc
 621 Benton St
 Jetmore KS 67854
 ATTN: Jason Alm

12-20s-23w Ness, KS
Ripple #1-12
 Job Ticket: 63852 **DST#: 3**
 Test Start: 2018.03.20 @ 15:45:17

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 18:05:42 Tester: Ray Schwager
 Time Test Ended: 22:49:56 Unit No: 77
 Interval: **4344.00 ft (KB) To 4352.00 ft (KB) (TVD)** Reference Elevations: 2228.00 ft (KB)
 Total Depth: 4352.00 ft (KB) (TVD) 2221.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

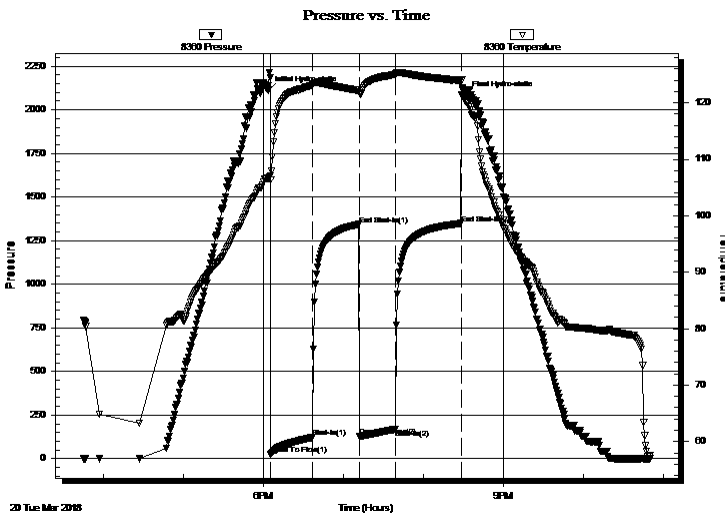
Serial #: 8360

Inside

Press@RunDepth: 168.80 psig @ 4345.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.03.20 End Date: 2018.03.20 Last Calib.: 2018.03.20
 Start Time: 15:45:17 End Time: 22:49:56 Time On Btm: 2018.03.20 @ 18:03:27
 Time Off Btm: 2018.03.20 @ 20:31:41

TEST COMMENT: 30-IFP-w k to BOB in 15 min
 30-ISIP-surface blow back
 30-FFP-w eak to a gd blow 1/4" to 8 1/2" blow
 45-FSIP-1/2" blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.92	106.63	Initial Hydro-static
3	25.75	106.35	Open To Flow (1)
34	122.30	123.16	Shut-In(1)
69	1343.22	122.21	End Shut-In(1)
69	126.82	121.74	Open To Flow (2)
96	168.80	125.07	Shut-In(2)
145	1348.79	123.91	End Shut-In(2)
149	2079.43	120.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Water	0.59
150.00	Water w /show of oil	2.10
85.00	CO	1.19
0.00	185 'GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DK Operating Inc
 621 Benton St
 Jetmore KS 67854
 ATTN: Jason Alm

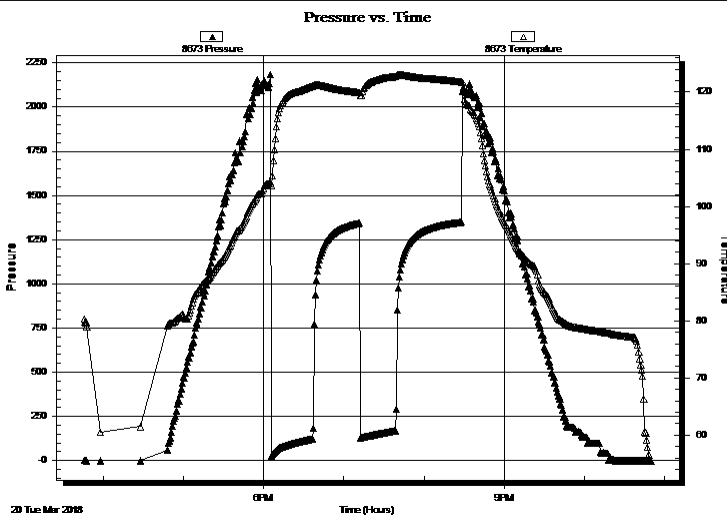
12-20s-23w Ness, KS
Ripple #1-12
 Job Ticket: 63852 **DST#: 3**
 Test Start: 2018.03.20 @ 15:45:17

GENERAL INFORMATION:

Formation:	Miss			Test Type:	Conventional Bottom Hole (Reset)
Deviated:	No Whipstock:	ft (KB)		Tester:	Ray Schwager
Time Tool Opened:	18:05:42			Unit No:	77
Time Test Ended:	22:49:56			Reference Elevations:	2228.00 ft (KB)
Interval:	4344.00 ft (KB) To 4352.00 ft (KB) (TVD)				2221.00 ft (CF)
Total Depth:	4352.00 ft (KB) (TVD)			KB to GR/CF:	7.00 ft
Hole Diameter:	7.88 inches	Hole Condition:	Fair		

Serial #: 8673	Outside			Capacity:	8000.00 psig
Press@RunDepth:	psig @ 4345.00 ft (KB)			Last Calib.:	2018.03.20
Start Date:	2018.03.20	End Date:	2018.03.20	Time On Btm:	
Start Time:	15:45:38	End Time:	22:50:17	Time Off Btm:	

TEST COMMENT: 30-IFP-w k to BOB in 15 min
 30-ISIP-surface blow back
 30-FFP-w eak to a gd blow 1/4" to 8 1/2" blow
 45-FSIP-1/2" blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Water	0.59
150.00	Water w/show of oil	2.10
85.00	CO	1.19
0.00	185 'GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DK Operating Inc
621 Benton St
Jetmore KS 67854
ATTN: Jason Alm

12-20s-23w Ness, KS
Ripple #1-12
Job Ticket: 63852 **DST#: 3**
Test Start: 2018.03.20 @ 15:45:17

Tool Information

Drill Pipe:	Length: 4217.00 ft	Diameter: 3.80 inches	Volume: 59.15 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4344.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4316.00	
Shut In Tool	5.00			4321.00	
Hydraulic tool	5.00			4326.00	
Jars	5.00			4331.00	
Safety Joint	3.00			4334.00	
Packer	5.00			4339.00	29.00 Bottom Of Top Packer
Packer	5.00			4344.00	
Stubb	1.00			4345.00	
Recorder	0.00	8360	Inside	4345.00	
Recorder	0.00	8673	Outside	4345.00	
Perforations	4.00			4349.00	
Bullnose	3.00			4352.00	8.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DK Operating Inc

12-20s-23w Ness,KS

621 Benton St
Jetmore KS 67854

Ripple #1-12

Job Ticket: 63852

DST#: 3

ATTN: Jason Alm

Test Start: 2018.03.20 @ 15:45:17

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Water	0.590
150.00	Water w/show of oil	2.104
85.00	CO	1.192
0.00	185 'GIP	0.000

Total Length: 355.00 ft Total Volume: 3.886 bbl

Num Fluid Samples: 0

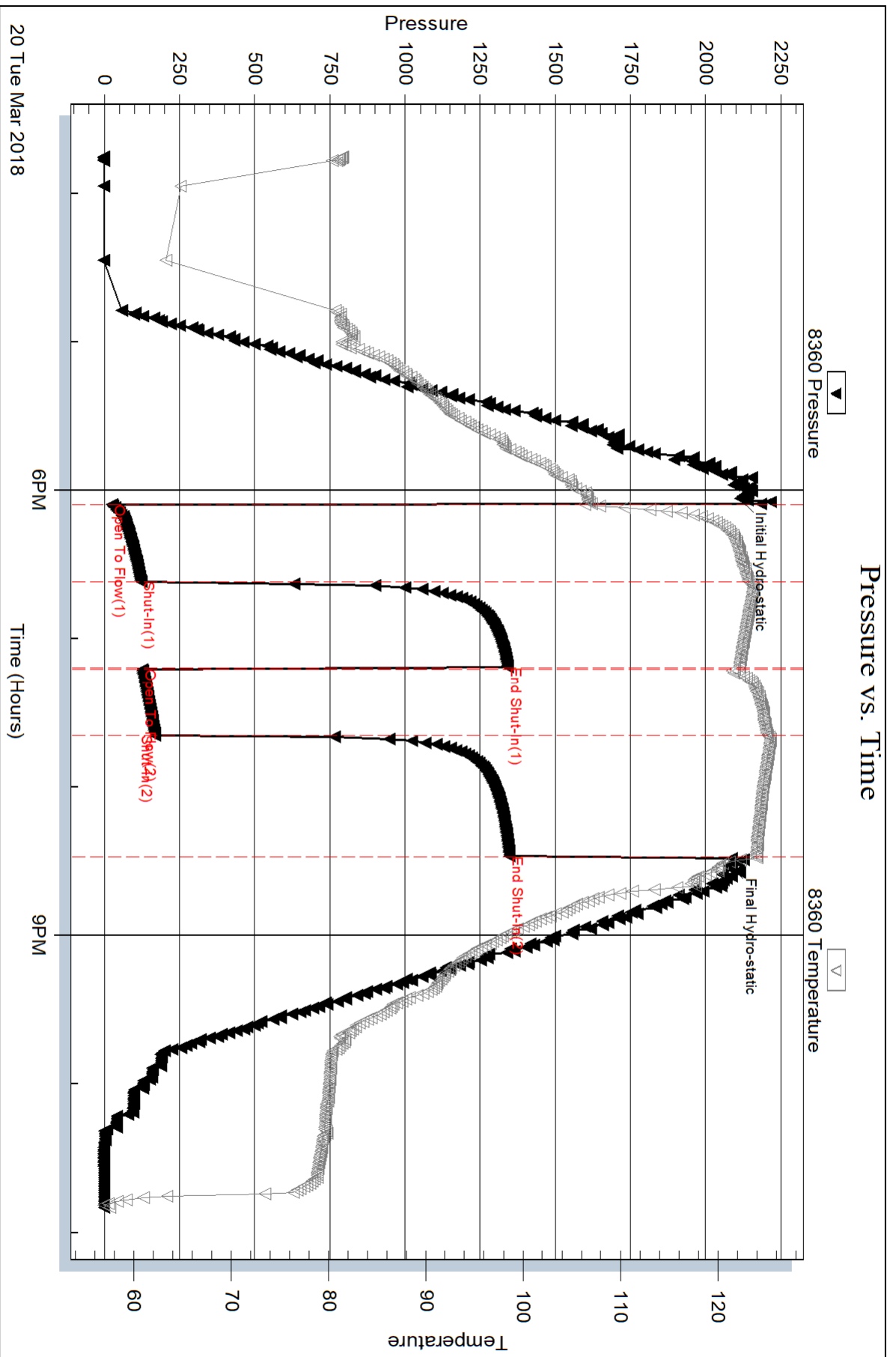
Num Gas Bombs: 0

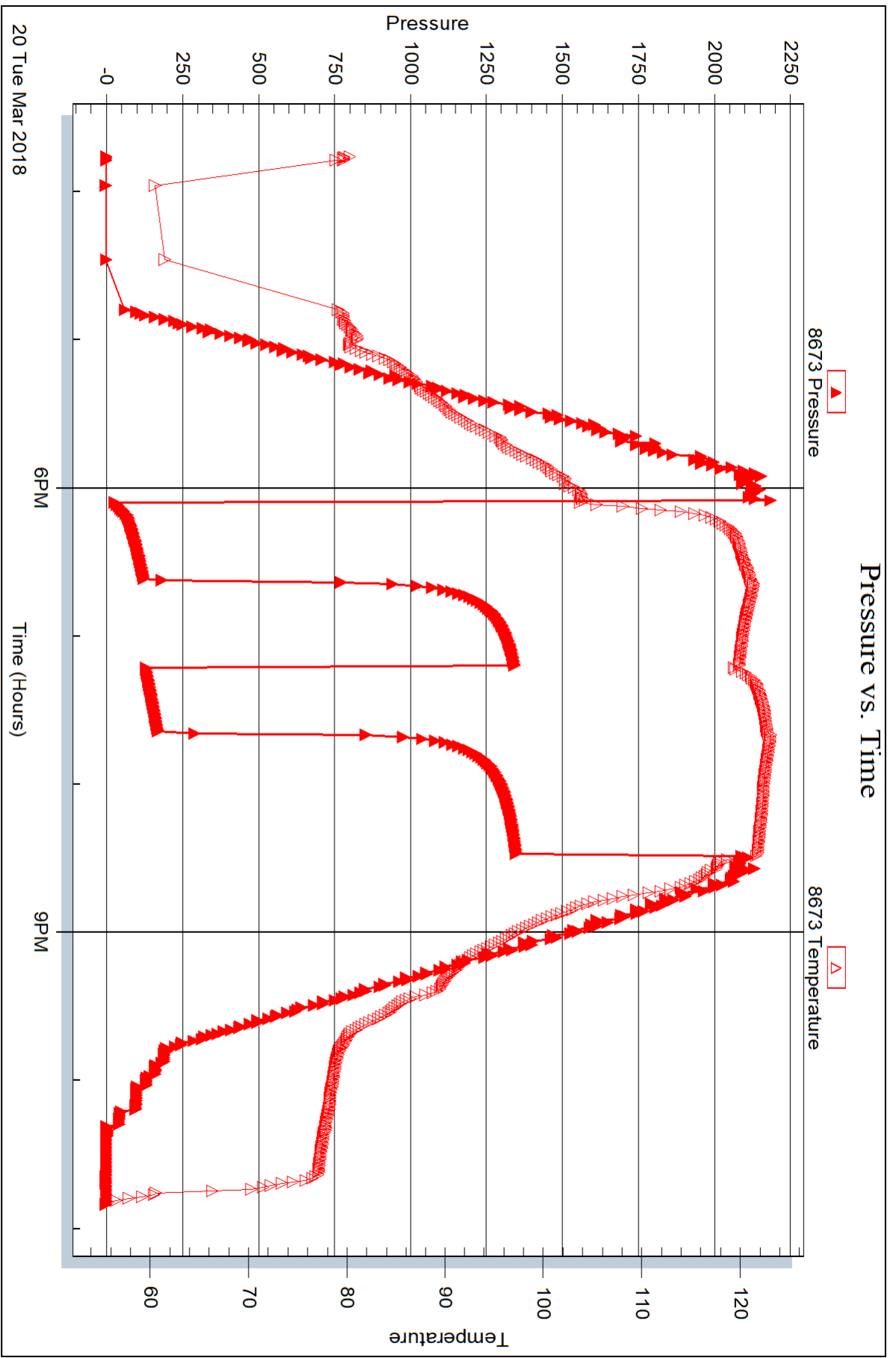
Serial #:

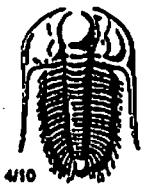
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .21@75F







TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63525

Well Name & No. Ripple #1-12 Test No. 1 Date 3-19-18
 Company OK OPERATING Inc Elevation 2228 KB 2221 GL
 Address 621 Benton ST, Jetmore, Ks 67854
 Co. Rep / Geo. JASON ALM Rig Pickeell rig 10
 Location: Sec. 12 Twp 20^s Rge. 23^w Co. Ness State Ks

Interval Tested 4205-4260 Zone Tested FORT SCOTT
 Anchor Length 55 Drill Pipe Run 4062 Mud Wt. 9.5
 Top Packer Depth 4200 Drill Collars Run 120 Vls 51
 Bottom Packer Depth 4205 Wt. Pipe Run - WL 8.4
 Total Depth 4260 Chlorides 6500 ppm System LCM TR
 Blow Description IFP - WEAK Blow thru-out 1/4" to 1/2" Blow
ISIP - NO Blow
FFP - WEAK Blow thru-out 1/4" to 1/2" Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>50CM</u>	<u>5</u>		<u>95</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 110 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2059</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0345</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0710</u>
(C) First Final Flow <u>28</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1005</u>
(D) Initial Shut-In <u>217</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1135</u>
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1351</u>
(F) Second Final Flow <u>35</u>	<input checked="" type="checkbox"/> Mileage <u>145 RT</u> 145	Comments
(G) Final Shut-In	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2011</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>pulled Tool</u>	<input type="checkbox"/> Day Standby	Total <u>1620</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1620</u>	

Approved By _____ Our Representative RAY SCHWAGER *Thank you*
 Triobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63851

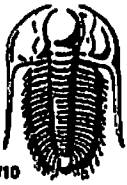
Well Name & No. Ripple #1-12 Test No. 2 Date 3-20-18
 Company OK Operating Inc Elevation 2228 KB 2221 GL
 Address 621 Benton St. Jetmore, Ks 67854
 Co. Rep / Geo. JASON ALM Rig Pickeell rig 10
 Location: Sec. 12 Twp 20^s Rge. 23^w Co. Ness State Ks

Interval Tested 4266-4344 Zone Tested MISS
 Anchor Length 78 Drill Pipe Run 4125 Mud Wt. 9.4
 Top Packer Depth 4261 Drill Collars Run 120 Vis 45
 Bottom Packer Depth 4266 Wt. Pipe Run - WL 9.6
 Total Depth 4344 Chlorides 9600 ppm System LCM TR.
 Blow Description TFP - WEAK Blow thru-out 1/4" to 1/2" Blow
TSTP - NO Blow
FFP - No Blow 1# 5 min then surface Blow thru-out
FSTP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>CO</u>	<u>10</u>	<u>40</u>		<u>50</u>
<u>80</u>	<u>HO+GCM</u>				

Rec Total 90 BHT 109 Gravity 38 API RW - @ - °F Chlorides - ppm
 (A) Initial Hydrostatic 2072 Test 1150 T-On Location 0025
 (B) First Initial Flow 25 Jars 250 T-Started 0150
 (C) First Final Flow 43 Safety Joint 75 T-Open 0430
 (D) Initial Shut-In 1088 Circ Sub _____ T-Pulled 0630
 (E) Second Initial Flow 47 Hourly Standby _____ T-Out 0837
 (F) Second Final Flow 79 Mileage 145 Comments _____
 (G) Final Shut-In 1054 Sampler _____
 (H) Final Hydrostatic 2060 Straddle _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Shale Packer _____
 Final Flow 30 Extra Packer _____
 Final Shut-In 30 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1620 Sub Total 0
 Total 1620 MP/DST Disc't _____

Approved By _____ Our Representative Ray Schwager *THANK YOU*
 Triobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63852

Well Name & No. Ripple #1-12 Test No. 3 Date 3-20-18
 Company DK OPERATING Inc Elevation 2228 KB 2221 GL
 Address 621 Benton ST, Jetmore, Ko 67854
 Co. Rep / Geo. Jason Alm Rig Pickeell rig 10
 Location: Sec. 12 Twp 20^s Rge. 23^w Co. Ness State Ko

Interval Tested 4344-4352 Zone Tested MISS
 Anchor Length 8 Drill Pipe Run 4217 Mud Wt. 9.4
 Top Packer Depth 4339 Drill Collars Run 120 Vis 46
 Bottom Packer Depth 4344 Wt. Pipe Run — WL 12
 Total Depth 4352 Chlorides 9400 ppm System LCM TR.

Blow Description IFP - WEAK TO A STRONG BLOW IN 15 MIN
ISIP - SURFACE BLOW BACK
FFP - WEAK TO A GOOD BLOW 1/4" TO 8 1/2" BLOW
FSIP -

Rec	Feet of	%gas	%oil	%water	%mud
<u>185</u>	<u>Feet of GIP</u>				
<u>85</u>	<u>Feet of CO</u>				
<u>150</u>	<u>Feet of WATER w/show do. l</u>				
<u>120</u>	<u>Feet of WATER</u>				
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 355 BHT 1 Gravity 38 API RW .21 @ 75 °F Chlorides 3000 ppm

(A) Initial Hydrostatic <u>2112</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1340</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1545</u>
(C) First Final Flow <u>112</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1805</u>
(D) Initial Shut-In <u>1343</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2020</u>
(E) Second Initial Flow <u>126</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2249</u>
(F) Second Final Flow <u>168</u>	<input checked="" type="checkbox"/> Mileage <u>145</u>	Comments _____
(G) Final Shut-In <u>1348</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2079</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 45

Sub Total 1620

Sub Total 1620

Approved By _____ Our Representative RAY SCHWAGER THANK YOU

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TICKET 031259

CHARGE TO: DK Operating
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

PAGE 1 OF 2

1. SERVICE LOCATIONS: New City, KS
 2. WELL/PROJECT NO.: 1-12 CONTRACTOR: _____
 TICKET TYPE: SERVICE SALES
 3. LEASE: Ripple COUNTY/PARISH: Less CITY: New City DATE: 21 MAR 18 OWNER: _____
 WELL CATEGORY: Development RIG NAME/NO.: 10 DELIVERED TO: location ORDER NO.: _____
 4. WELL TYPE: oil WELL CATEGORY: Development JOB PURPOSE: cement log string WELL PERMIT NO.: _____
 INVOICE INSTRUCTIONS: _____ WELL LOCATION: 12-20-23

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE			80	mi	5.00	100.00
578		1			Pump Charge			1	ea	1300.00	1300.00
402		1			Centralizer			5 1/2	in	70.00	630.00
403		1			Cement Basket			2	ea	275.00	550.00
404		1			Port Collar			1	ea	2500.00	2500.00
406		1			Latch down plug & baffle			1	ea	250.00	250.00
407		1			Insert float shoe w/ AUTO FILL			1	ea	325.00	325.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

SIGNED: _____ TIME SIGNED: _____ A.M. P.M. 1:50

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

TOR: Beball APPROVAL: _____

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? YES NO CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 5655.00
5258.25
10,913.25
 LESS TAX 6.5% 582.21
 TOTAL: 11495.46

Thank You!

WE APPRECIATE YOUR BUSINESS!

All invoices are due upon receipt. Interest at the rate of 1 1/2% per month may be charged on all invoices not paid within 30 days from date of invoice.

4,573.15	Total
170.00	Sales Tax (6.50%)
4,403.15	Net Invoice

Date/Description	HRS/QTY	Rate	Total
Ticket 100889 Surface (new)	0.000	0.000	0.00
Heavy Eq Mileage	150.000	2.405	360.75
Light Eq Mileage	75.000	1.110	83.25
Ton Mileage	666.000	0.962	640.69
Cement Pump	1.000	703.000	703.00
Cement Class A	180.000	12.025	2,164.50
Bentonite Gel	338.000	0.222	75.04
Calcium Chloride	508.000	0.740	375.92

Cement Sur. Blcc

Customer: DK OPERATING INC
 621 BENTON ST
 JETMORE, KS 67854-5311
 Invoice Date: 3/14/2018
 Invoice #: 0037170
 Lease Name: RIPPLE
 Well #: 1-12
 County: NESS

Remit to: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202

acc # 9701



HURRICANE SERVICES INC

104 Prairie Plaza Parkway
 Garnett, KS 66032
 Ph: 785-448-3100
 Fax: 785-448-3102

3613A Y Road
 Madison, KS 66860
 Ph: 620-437-2661
 Fax: 620-437-2881
 FED ID# 48-1214033
 MC ID# 165290

V475



2501 N. Water, Ste 200 - Wichita, Ks 67202

104 Prairie Plaza Parkway - Garnett, Ks 66032

HURRICANE SERVICES INC

Customer	DK Operating Inc.	Customer Name:	Mike Kern	Ticket No.:	100889
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Address:	621 Benton St.	Contractor:	Pickrell Drilling Rig #10	Date:	3/14/2018
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City, state, zip:	Jetmore, Ks. 67854	Job type:	Oil
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Service District:	Medicine Lodge, Ks.	Well Details:	Sec 12 Twp: 20S R: 23W
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Well name & No.:	Ripple # 1-12	Well Locations:	Ness City, Ness County, Kansas
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Equipment #	231	Driver	Cody	ARRIVED AT JOB	3:00
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Equipment #	241	Driver	Joe	START OPERATION	6:00
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Equipment #	28	Driver	Todd	FINISH OPERATION	6:45
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Equipment #	31	Driver	Glen	RELEASED	7:15
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MILES FROM STATION TO WELL	75
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Product/Service	Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Net Amount
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C001	Heavy Equip. One Way	mi	150.00	\$3.25	\$487.50	\$360.75
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C002	Light Equip. One Way	mi	75.00	\$1.50	\$112.50	\$83.25
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C003	Ton Mileage - One Way	mi	666.00	\$1.30	\$865.80	\$640.69
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C019	Cement Pump	ea	1.00	\$950.00	\$950.00	\$703.00
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CP006	Regular - Class A Cement	sack	180.00	\$16.25	\$2,925.00	\$2,164.50
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CP016	Bentonite Gel	lb	338.00	\$0.30	\$101.40	\$75.04
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CP017	Calcium - Chloride	lb	508.00	\$1.00	\$508.00	\$375.92
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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 may pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws if such laws limit interest collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become 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. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Discount rate is based on 30 days net payment terms or cash. This technical data is presented in good faith, but no warranty is given by and H.S.I. assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. The information presented is HSI best estimate of the actual results that may be achieved and should be used for comparison purposes and make no guarantee of future production performance. Customer warrants that well and all associated equipment in acceptable condition to receive services by H.S.I. Likewise, the customer will guarantee proper operational care of all customer owned production and associated equipment, while H.S.I. is on location performing services which could adversely affect the performance of such services. Authorization below acknowledges receipt and acceptance of all terms and conditions stated above.							
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Gross:	\$ 5,950.20	Net:	\$4,403.15
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Total Taxable	\$ -	Tax Rate:	
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Sale Tax:	\$ -	Total:	\$ 4,403.15
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Date of Service:	3/14/2018	HSI Representative:	Todd Seba
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Customer Comments:			
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Customer Comments:			
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CUSTOMER AUTHORIZED AGENT

X



HURRICANE SERVICES INC

Customer: DK Operating	Date: 3/14/2018	Ticket No.: 100889
Field Rep: Mike Kern		
Address:		
City, State:		
County, Zip:		

Field Order No.: 100889	Well Name: Ripple # 1-12	Location: Ness City	Formation: Surface	Well Type: Oil	Age of Well: New	Packer Type: Casing	Packer Depth: Casing	Treatment Via: Casing	
Open Hole: 264'	Casing Depth: 264'	Casing Size: 8 5/8 23 LB	Tubing Depth: 264'	Tubing Size: 8 5/8 23 LB	Liner Depth: 264'	Liner Size: 8 5/8 23 LB	Liner Top: 264'	Liner Bottom: 264'	
Total Perts		Total Perts		Total Perts		Total Perts		Total Perts	
0		0		0		0		0	

TIME	INJECTION RATE	N2/CO2	STP	ANNUUS	REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
11:00 PM					Called Out			
3:00 AM					On Location W/Trucks Hold Safety Meeting			
4:30 AM					TD=265' TP= 264' SJ= 20' Run 6 JTs 8 5/8 23 LB			
6:00 AM					Start Casing			
6:15 AM					Casing on Bottom			
6:20 AM	4.5			150.0	Start Pumping H2O			10.00
6:45 AM	4.5			150.0	Start Mix & Pump 180 SK 2% Gel 3% CC			45.20
6:50 AM	4.5			200.0	Start Displacement			15.60
					Shut Down			
6:50 AM				175.0	Close Valve On Casing			
					Good Circulation Thru Job			
					Circulate 15 Sacks To Pit			
					Wash Up Truck & Rack Up Trucks			
					Off Location			
					Thank You Please Call Again			
					Todd Cody Joe Glen			
TOTAL:								
								70.80

Max Fl. Rate	4.5
Avg Fl. Rate	4.5
Max PSI	200.0
Avg PSI	168.8

PRODUCTS USED
180 Sacks Common 2% Gel 3% CC

Treater: *Todd Seba* Customer: Mike Kern

WE APPRECIATE YOUR BUSINESS!

All invoices are due upon receipt. Interest at the rate of 1 1/2% per month may be charged on all invoices not paid within 30 days from date of invoice.

4,573.15	Total
170.00	Sales Tax (6.50%)
4,403.15	Net Invoice

Date/Description	HRS/Qty	Rate	Total
Ticket 100889 Surface (new)	0.00	0.00	0.00
Heavy Eq Mileage	150.000	2.405	360.75
Light Eq Mileage	75.000	1.110	83.25
Ton Mileage	666.000	0.962	640.69
Cement Pump	1.000	703.000	703.00
Cement Class A	180.000	12.025	2,164.50
Bentonite Gel	338.000	0.222	75.04
Calcium Chloride	508.000	0.740	375.92

Cement Sur. Blcc

Customer: DK OPERATING INC
 621 BENTON ST
 JETMORE, KS 67854-5311
 Invoice Date: 3/14/2018
 Invoice #: 0037170
 Lease Name: RIPPLE
 Well #: 1-12
 County: NESS

Remit to: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202

acc # 9701



104 Prairie Plaza Parkway
 Garnett, KS 66032
 Ph: 785-448-3100
 Fax: 785-448-3102

FED ID# 48-1214033
 MC ID# 165290
 3613A Y Road
 Madison, KS 66860
 Ph: 620-437-2661
 Fax: 620-437-2881



2501 W. Water, Ste 200 - Wichita, Ks 67202

104 Prairie Plaza Parkway - Garnett, Ks 66032

HURRICANE SERVICES INC

Customer	DK Operating Inc.	Customer Name:	Mike Kern	Ticket No.:	100889
Address:	621 Benton St.	Contractor:	Pickrell Drilling Rig #10	Date:	3/14/2018
City, State, Zip:	Jetmore, Ks. 67854	Job type:		Well Type:	Oil
Service District:	Medicine Lodge, Ks.	Well Details:	Sec 12	Twp: 20S	R: 23W
Well name & No.:	Ripple # 1-12	Well Locations:	Ness City	County:	Ness
Driver #	231	Driver	Cody	Arrived At Job	3:00
Equipment #	241	Equipment #	Joe	START OPERATION	6:00
Driver #	28	Driver	Todd	FINISH OPERATION	6:45
Equipment #	31	Equipment #	Glen	RELEASED	7:15
				MILES FROM STATION TO WELL	75

Code	Product/Service	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Net Amount
C001	Heavy Equip. One Way		mi	150.00	\$3.25	\$487.50	\$360.75
C002	Light Equip. One Way		mi	75.00	\$1.50	\$112.50	\$83.25
C003	Ton Mileage - One Way		mi	666.00	\$1.30	\$865.80	\$640.69
C019	Cement Pump		ea	1.00	\$950.00	\$950.00	\$703.00
CP006	Regular - Class A Cement		sack	180.00	\$16.25	\$2,925.00	\$2,164.50
CP016	Bentonite Gel		lb	338.00	\$0.30	\$101.40	\$75.04
CP017	Calcium - Chloride		lb	508.00	\$1.00	\$508.00	\$375.92

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 may pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws if such laws limit interest collection. In the event it is necessary to employ an agency and/or attorney to affect the collection of said account, 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 and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become 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. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Discount rate is based on 30 days net payment terms or cash.							
DISCLAIMER NOTICE: This technical data is presented in good faith, but no warranty is given by and H.S.I. assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. The information presented is HSI best estimate of the actual results that may be achieved and should be used for comparison purposes and make no guarantee of future production performance. Customer warrants that well and all associated equipment in acceptable condition to receive services by H.S.I. Likewise, the customer will guarantee proper operational care of all customer owned production and associated equipment, while H.S.I. is on location performing services which could adversely affect the performance of such services. Authorization below acknowledges receipt and acceptance of all terms and conditions stated above.							
X CUSTOMER AUTHORIZED AGENT							

Customer	DK Operating Inc.	Customer Name:	Mike Kern	Ticket No.:	100889
Address:	621 Benton St.	Contractor:	Pickrell Drilling Rig #10	Date:	3/14/2018
City, State, Zip:	Jetmore, Ks. 67854	Job type:		Well Type:	Oil
Service District:	Medicine Lodge, Ks.	Well Details:	Sec 12	Twp: 20S	R: 23W
Well name & No.:	Ripple # 1-12	Well Locations:	Ness City	County:	Ness
Driver #	231	Driver	Cody	Arrived At Job	3:00
Equipment #	241	Equipment #	Joe	START OPERATION	6:00
Driver #	28	Driver	Todd	FINISH OPERATION	6:45
Equipment #	31	Equipment #	Glen	RELEASED	7:15
				MILES FROM STATION TO WELL	75

Gross:	\$ 5,950.20	Net:	\$4,403.15
Total Taxable	\$ -	Tax Rate:	
Sale Tax:	\$ -	Total:	\$ 4,403.15
Date of Service:	3/14/2018	HSI Representative:	Todd Seba
Customer Comments:			



HURRICANE SERVICES INC

Customer: DK Operating	Date: 3/14/2018	Ticket No.: 100889
Field Rep: Mike Kern		
Address:		
City, State:		
County, Zip:		

Field Order No.: 100889	Well Name: Ripple # 1-12	Location: Ness City	Formation: Surface	Well Type: Oil	Age of Well: New	Packer Type: Casing	Packer Depth: Casing	Treatment Via: Casing	
Open Hole: 264'	Casing Depth: 264'	Casing Size: 8 5/8 23 LB	Tubing Depth: 264'	Tubing Size: 8 5/8 23 LB	Liner Depth: 264'	Liner Size: 8 5/8 23 LB	Liner Top: 264'	Liner Bottom: 264'	
Total Perts		Total Perts		Total Perts		Total Perts		Total Perts	
0		0		0		0		0	

TIME	INJECTION RATE	N2/CO2	STP	ANNUUS	REMARKS	PROP	HCL	FLUID
11:00 PM					Called Out			
3:00 AM					On Location W/Trucks Hold Safety Meeting			
4:30 AM					Start Casing			
6:00 AM					Casing on Bottom			
6:15 AM					Hook Up To Casing			
6:20 AM	4.5	150.0			Start Pumping H2O			10.00
6:45 AM	4.5	150.0			Start Mix & Pump 180 SK 2% Gel 3% CC			45.20
6:50 AM	4.5	200.0			Start Displacement			15.60
					Shut Down			
6:50 AM		175.0			Close Valve On Casing			
					Good Circulation Thru Job			
					Circulate 15 Sacks To Pit			
					Wash Up Truck & Rack Up Trucks			
					Off Location			
					Thank You Please Call Again			
					Todd Cody Joe Glen			
TOTAL:								
								70.80

Max Fl. Rate	4.5
Avg Fl. Rate	4.5
Max PSI	200.0
Avg PSI	168.8

PRODUCTS USED
180 Sacks Common 2% Gel 3% CC

Treater: *Todd Seba* Customer: Mike Kern