

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1194762

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

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #			_ API No. 15		
Name:			Spot Description:		
Address 1:			SecTwp S. R		
Address 2:			F6	eet from North /	South Line of Section
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:
Phone: ()			□ NE □ NW	V □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:	W	/ell #:
	e-Entry	Workover	Field Name:		
	_		Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground: Kelly Bushing:		
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet
Operator:			If Alternate II completion, c	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:					
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
☐ Plug Back	Conv. to G		(Data must be collected from the		
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls
Dual Completion			Dewatering method used: _		
SWD			Location of fluid disposal if	hauled offsite	
☐ ENHR			1		
GSW	Permit #:		Operator Name:		
_ _			Lease Name:	License #:_	
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	TwpS. 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
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

Page Two



Operator Name:			L	ease Name: _			Well #:	
Sec Twp	S. R	East We	est C	County:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott		
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log
Drill Stem Tests Taker (Attach Additional		Yes	No	L		n (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes	No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes Yes	No No					
List All E. Logs Run:								
		(CASING REC	ORD Ne	w Used			
		· ·		ıctor, surface, inte	ermediate, producti		T	
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cem	ent #	Sacks Used		Type and Pe	ercent Additives	
Perforate Protect Casing	100 20111111							
Plug Back TD Plug Off Zone								
1 lag on zono								
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)
Does the volume of the to		•				_	o question 3)	(" 100 ")
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)
Shots Per Foot		ION RECORD - Bri Footage of Each Int				cture, Shot, Cement		d Depth
	, ,							
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:			
						Yes No		
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity
DIODOCITI	ON OF CAS:		, 4 CT - 1		TION:		DRODUCTIO	AN INTEDVAL.
Vented Solo	ON OF GAS: Used on Lease	Open Ho		IOD OF COMPLE \Box		nmingled	PHODUCIIC	ON INTERVAL:
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)		



FIELD ORDER Nº C 40427

BOX 438 • HAYSVILLE, KANSAS 67060 316-524-1225

		DATE	y de john in his	20
AUTHORIZ	ZED BY:	A 114 Mi males		
dress		(NAME OF CUSTOMER)		
Treat Well		City	State	
	ease <u>///</u> /	Well No Custom	er Order No	
c. Twp. " inge		보기를 가는 사람이 되었다. 이번 시작 하는 사람들이 얼마를 모르는 수 있는 것을 걸었다.		
	s a nari of the	County	State 🥕	9.j <u>.</u>
itment is paya involcing dep The undersign	epresentation. ble. There wi eartment in according to the control of the control	consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners rimage that may accrue in connection with said service or treatment. Copeland Acid Service is have been relied on, as to what may be the results or effect of the servicing or treating said if he is discount allowed subsequent to such date. 6% Interest will be charged after 60 days, cordance with latest published price schedules, is himself to be duly authorized to sign this order for well owner or operator.	IAS MARA NA FORFA	CORPOSION
ORE WORK IS	COMMENCE	Well Owner or Operator By		
CODE	QUANTITY		Agent	
2		DESCRIPTION	COST	AMOUNT
2	ment (Muraha Parage Trues	408	120 00
2		Michael Property	200	600
	/	Pring Crimes Pack Britain		110000
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·2	200	CZO CO FRANCES		86577
K.				<u> </u>
<u> </u>				
2	15,0			
2	/	Bulk Charge	7.2.5	7.4-
		Bulk Truck Miles	100 m	J. E. F. Lang.
		Process License Fee onGallons		
		TOTAL BILLING		7 2 2
100	the above er the direct presentative	material has been accepted and used; that the above service was performation, supervision and control of the owner, operator or his agent, whose sign	ed in a good a gnature appeal	S. 15. N. 18.
ery Thomas		Well Owner, Operate	or or Agent	
emarks			9	

TREATMENT REPORT Acid Stage No. Type Treatment: **3/4/2014** District Amt. Type Fluid Sand Size Pounds of Sand F.O. No. 40427 Bkdown Bbl./Gal. Any CASTLE RESOURCES ell Name & No. MAHL #1 Bbl./Gal. Bbl./Gal. Location **ELLSWORTH** Bbl./Gal. County State KS Bbl./Gal. Treated from Size _____ Type & Wt. ft. to ____ Casing: No. ft. from ft. to Formation: No. ft. Perf. Formation: No. ft. Perf. Actual Volume of Oil / Water to Load Hole: Formation: Bbl./Gal. Perf. to Top at ft. Pump Trucks. No. Used: Std. 318 Sp. ft. Bottom at Perforated from Auxiliary Equipment Tubing: Size & Wt. 317-308 Swung at ft. Personnel BRANDON SCOTT AND JORDAN Perforated from ft. to Plugging or Sealing Materials: Type Open Hole Size T.D. ft. P.B. to Company Representative WHITE KNIGHT DRILLING Treater BRANDON TIME PRESSURES **Total Fluid Pumped** .m./p.m. Tubing Casing REMARKS :30 ON LOCATION PUMP 35 SKS 60/40 4% 1/4# PER SK FLO SEAL AT 3350' AND DISPLACE WITH KELLY PUMP 35 SKS 60/40 4% 1/4# PER SK FLO SEAL AT 1250' PUMP 35 SKS 60/40 4% 1/4# PER SK FLO SEAL AT 950' PUMP 35 SKS 60/40 4% 1/4# PER SK FLO SEAL AT 350' PUMP 25 SKS 60/40 4% 1/4# PER SK FLO SEAL AT 60' PLUG RAT HOLE W/ 25 SKS 60/40 **THANKS BRANDON**



FIELD ORDER Nº C 40427

BOX 438 • HAYSVILLE, KANSAS 67060 316-524-1225

		(NAME OF CUSTOMER)	The second second	The The Market Co.
dress		City	State	
Treat Well Follows:	Lease <u>M</u>	Well No. Customer	Order No.	
c. Twp. nge	<u> </u>	County County	State	55
to be held lifed, and no tment is pay involcing define undersi	iable for any dar representations rable. There will partment in acc	consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk mage that may accrue in connection with said service or treatment. Copeland Acid Service has have been relied on, as to what may be the results or effect of the servicing or treating said we be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. To ordance with latest published price schedules. himself to be duly authorized to sign this order for well owner or operator.	made no repre	esentation, express
ORE WORK	IS COMMENCED	Well Owner or Operator By	Agent	
CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
<u> </u>	2	Marate Panis Trus	4.08	1200
4	and the second	Musual Promise	700	6- 00
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7	15	Búlk Charge	125	7.3-
-		Bulk Truck Miles	1	
14.4		Process License Fee onGallons		
		TOTAL BILLING		2 2
nanner u	nat the above inder the dire Representativ	material has been accepted and used; that the above service was performed ction, supervision and control of the owner, operator or his agent, whose sign	ed in a good inature appe	and workmanli ars below.



Prepared For:

Castle Rescources Inc

PO Box 86 Schoenchen KS 67667

ATTN: Jerry Green

Mehl#1

18-17s-9w-Ellsworth KS

Start Date: 2014.03.04 @ 01:23:14

End Date:

2014.03.04 @ 09:10:23

Job Ticket #: 56119

DST#: 1

Trilobite Testing, Inc. PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Castle Rescources Inc

18-17s-9w-Ellsworth KS

PO Box 86

Schoenchen KS 67667

Mehl #1

Job Ticket: 56119

DST#:1

ATTN: Jerry Green

Test Start: 2014.03.04 @ 01:23:14

GENERAL INFORMATION:

Formation:

Arbuckie

Deviated:

Interval:

Whipstock:

Time Tool Opened: 03:41:34 Time Test Ended: 09:10:23

ft (KB)

Test Type:

Conventional Straddle (Initial)

Tester:

Tate Lang

Unit No:

1801.00 ft (KB)

1796.00 ft (CF)

3253.00 ft (KB) To 3264.00 ft (KB) (TVD) 3344.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

7.88 inchesHole Condition: Good

KB to GR/CF:

Reference Hevations:

5.00 ft

Serial #: 8898

Press@RunDepth:

Outside 142.67 psig @

3254.00 ft (KB)

2014.03.04

Capacity:

8000.00 psig

Start Date: Start Time:

2014.03.04 01:23:15 End Date: End Time:

09:10:24

Last Calib.: Time On Btm:

2014.03.04 2014.03.04 @ 03:41:14

Time Off Btm:

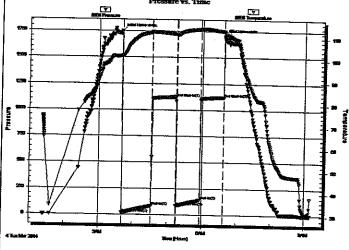
2014.03.04 @ 06:38:14

TEST COMMENT: B.O.B. In 35 mins

Dead no blow back

Weak surface blow built to 2 1/2 in (Head came unscrewed a little)

Dead no blow back



		P	RESSU	RE SUMMARY		
	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	1748.83	101.89	Initial Hydro-static		
	1	15.66	101.30	Open To Flow (1)		
	52	81.60	112.40	Shut-In(1)		
	94	1121.64	111.66	End Shut-In(1)		
Í	94	83.95	111.23	Open To Flow (2)		
Tamparatus	136	142.67	113.92			
3	177	1120.19	112.99	End Shut-In(2)		
	177	1702.38	112.66	Final Hydro-static		
				-		
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1						
1						
			1			

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%O	0.01
30.00	30%W 70%M	0.42
240.00	2%M98%W	3.37
0.00	30 GIP	0.00

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 56119



Castle Rescources Inc.

18-17s-9w-Ellsworth KS

PO Box 86

Schoenchen KS 67667

Mehl #1 Job Ticket: 56119

DST#: 1

ATTN: Jerry Green

Test Start: 2014.03.04 @ 01:23:14

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

No

ft (KB)

Time Tool Opened: 03:41:34 Time Test Ended: 09:10:23

3253.00 ft (KB) To 3264.00 ft (KB) (TVD)

Interval: Total Depth:

3344.00 ft (KB) (TVD)

Whipstock:

Hole Diameter:

7.88 inches Hole Condition: Good

Test Type: Conventional Straddle (Initial)

Tester:

Tate Lang

Unit No:

Reference Bevations:

1801.00 ft (KB)

1796.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 8897 Press@RunDepth:

Inside

psig @ 2014.03.04

3254.00 ft (KB)

2014.03.04

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

01:23:39

End Date: End Time:

Time On Btm:

2014.03.04

09:10:48

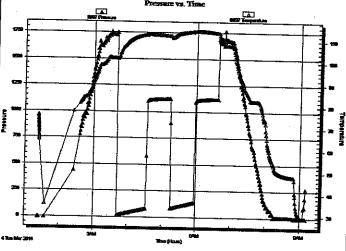
Time Off Btm;

TEST COMMENT: B.O.B. In 35 mins

Dead no blow back

Weak surface blow built to 2 1/2 in (Head came unscrewed a little)

Dead no blow back



PRESSURE	SUMMARY

	Time	Decague	7.	
	111116	Pressure		Annotation
	(Min.)	(psig)	(deg F)	1
		(60.9)	(dog i)	
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Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%O	0.01
30.00	30%W 70%M	0.42
240.00	2%M 98%W	3.37
0.00	30 GIP	0.00

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 56119



Castle Rescources Inc

Mehl #1

18-17s-9w-Elisworth KS

PO Box 86

Schoenchen KS 67667

Job Ticket: 56119

DST#: 1

ATTN: Jerry Green

Test Start: 2014.03.04 @ 01:23:14

GENERAL INFORMATION:

Time Tool Opened: 03:41:34

Time Test Ended: 09:10:23

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Test Type:

Conventional Straddle (Initial)

Tester: Unit No: Tate Lang

Interval:

3253.00 ft (KB) To 3264.00 ft (KB) (TVD)

Total Depth:

3344.00 ft (KB) (TVD)

Reference Elevations:

1801.00 ft (KB)

1796.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Good-

KB to GR/CF:

5.00 ft

Serial #: 8354 Press@RunDepth:

Below (Straddle) .

psig @

3280.00 ft (KB) End Date:

2014.03.04

Capacity: Last Calib.: 8000.00 psig

Start Date:

2014.03.04

End Time:

Time On Btm:

2014.03.04

Start Time:

01:23:36

09:10:45

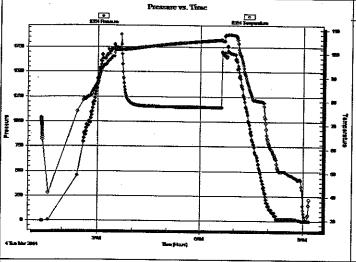
Time Off Btm:

TEST COMMENT: B.O.B. In 35 mins

Dead no blow back

Weak surface blow built to 2 1/2 in (Head came unscrewed a little)

Dead no blow back



PRESSUR	RΕ	SUMMARY

	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
Carperson,				÷

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%O	0.01
30.00	30%W 70%M	0.42
240.00	2%M 98%W	3.37
0.00	30 GIP	0.00
	·	

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 56119



TOOL DIAGRAM

Castle Rescources Inc.

18-17s-9w-Elisworth KS

PO Box 86

Mehl #1

Job Ticket: 56119

DST#: 1

Schoenchen KS 67667 ATTN: Jerry Green

Test Start: 2014.03.04 @ 01:23:14

Final

Tool Information

Drill Pipe:

Length: 3260.00 ft Diameter:

3.80 inches Volume:

45.73 bbl

Tool Weight:

2200.00 lb

Heavy Wt. Fipe: Length:

0.00 ft Diameter;

0.00 inches Volume:

0.00 bbl

Weight set on Packer: 25000.00 lb

Drill Collar:

Length:

0.00 ft Diameter:

2.25 inches Volume: Total Volume:

1dd 00.0 Weight to Pull Loose: 50000.00 lb 45.73 bbl

Drill Pipe Above KB:

27.00 ft

Tool Chased

0.00 ft

Depth to Top Packer:

3253.00 ft 3264.00 ft String Weight: Initial

38000.00 lb 40000.00 lb

Depth to Bottom Packer: Interval between Packers:

11.00 ft 115.00 ft

Tool Length: Number of Packers:

3 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut in Tool	5.00			3238.00		
Hydraulic tool	5.00			3243.00		
Packer	5.00			3248.00	20.00	Bottom Of Top Packer
Packer	5.00	•		3253.00		· · · · · · · · · · · · · · · · · · ·
Stubb	1.00			3254.00		
Recorder	0.00	8897	Inside	3254.00		
Recorder	0.00	8898	Outside	3254.00		
Perforations	5.00			3259.00		
Blank Off Sub	1.00			3260.00		
Blank spacing	4.00			3264.00	11.00	Tool Interval
Packer	4.00			3268.00		
Stubb	1.00			3269.00		
Perforations	11.00			3280.00		
Recorder	0.00	8354	Below	3280.00		
Change Over Sub	1.00			3281.00		
Blank Spacing	63.00			3344.00		
Change Over Sub	1.00			3345.00		
Bullnose	3.00		<u></u>	3348.00	84.00	Bottom Packers & Anchor

Total Tool Length:

115.00

Trilobite Testing, Inc.

Ref. No: 56119



FLUID SUMMARY

Castle Rescources Inc

18-17s-9w-Ellsworth KS

PO Box 86

Schoenchen KS 67667

Mehl #1

Job Ticket: 56119

DST#:1

ATTN: Jerry Green

Test Start: 2014.03.04 @ 01:23:14

Oil API:

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

9.00 lb/gal

Viscosity: Water Loss:

Resistivity: Salinity:

Filter Cake:

ohm.m 12000.00 ppm

42.00 sec/qt 13.59 in³

1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

bbl

psig

fŧ

Serial #:

Water Salinity:

deg API ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100%O	0.014
30.00	30%W 70%M	0.421
240.00	2%M98%W	3,367
0.00	30 GIP	0.000

Total Length:

271.00 ft

Total Volume:

3.802 bbl

Num Fluid Samples: 0 Laboratory Name:

Num Gas Bombs:

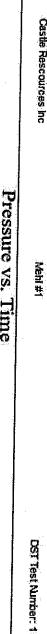
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 56119

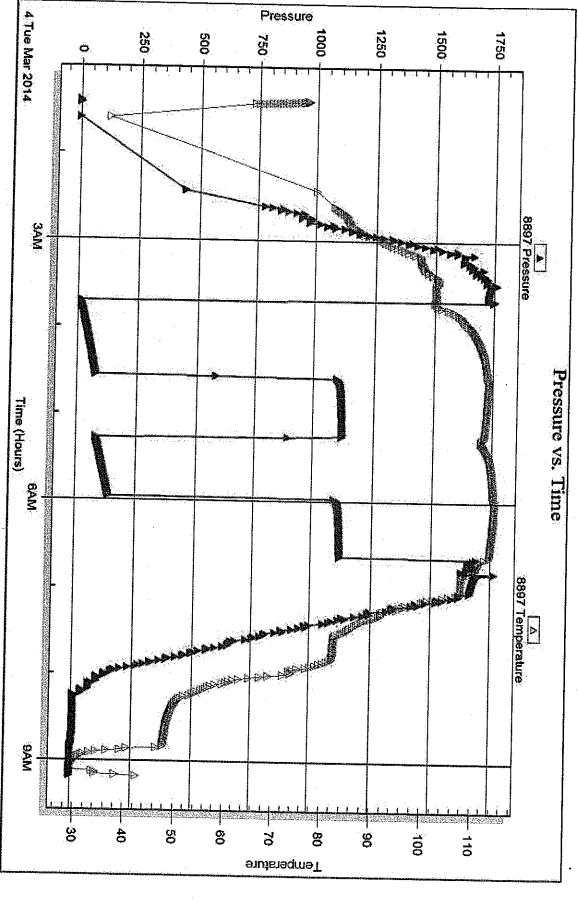
Pinted: 2014.03.06 @ 13:28:38



Serial #: 8897

Inside

Castle Rescources Inc



Temperature

Serial #: 8898

Outside Castle Rescources Inc

Wehl#1

DST Test Number: 1

Tribabile Testing, inc

Per No

56119

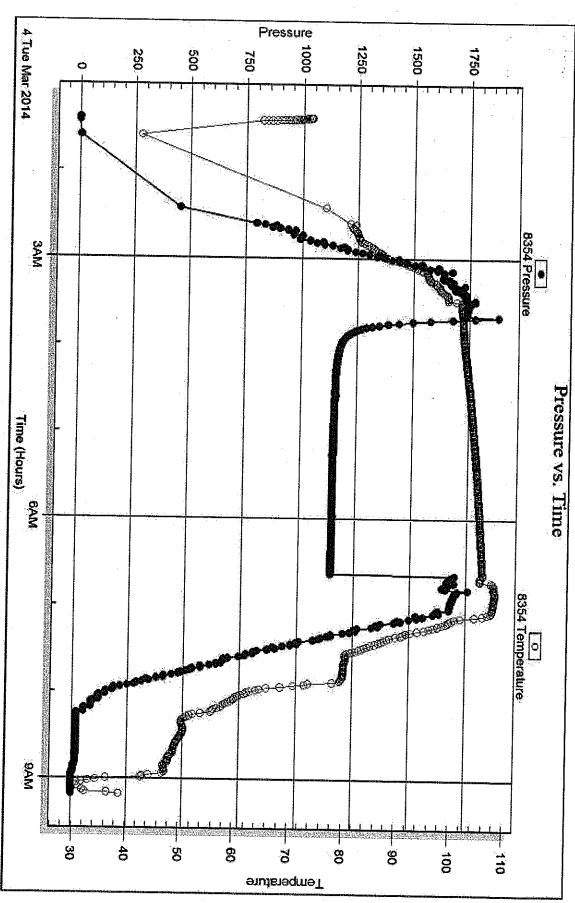
Pinted: 2014.03.06 @ 13:28:38



Serial #: 8354

Below (Stratistics) Rescources Inc







Prepared For: Castle Rescources Inc

PO Box 86

Schoenchen KS 67667

ATTN: Jerry Green

Mehl#1

18-17s-9w-Ellsworth KS

Start Date: 2014.03.04 @ 10:24:07

End Date:

2014.03.04 @ 17:31:07

Job Ticket #: 56120

DST#: 2

Trilobite Testing, Inc PO Box 362 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620



Castle Rescources Inc.

18-17s-9w-Ellsworth KS

PO Box 86

Mehl #1

Schoenchen KS 67667

Job Ticket: 56120

ATTN: Jerry Green

Test Start: 2014.03.04 @ 10:24:07

GENERAL INFORMATION:

Time Tool Opened: 12:43:17

Formation:

Arbuckle

Deviated:

No Whipstock:

ft (KB)

Tester:

Test Type: Conventional Straddle (Reset)

Tate Lang

Time Test Ended: 17:31:07

Unit No:

44

Interval:

3294.00 ft (KB) To 3315.00 ft (KB) (TVD)

1801.00 ft (KB)

Total Depth:

3344.00 ft (KB) (TVD)

Reference Elevations:

1796.00 ft (CF)

Hole Diameter:

KB to GR/CF:

5.00 ft

Serial #: 8898

7.88 inches Hole Condition: Good

Press@RunDepth: Start Date:

Outside

554.41 psig @ 2014.03.04

3295.00 ft (KB) End Date:

2014.03.04

Capacity: Last Calib .: 8000.00 psig

Start Time:

10:24:08

End Time:

17:31:07

Time On Btm.

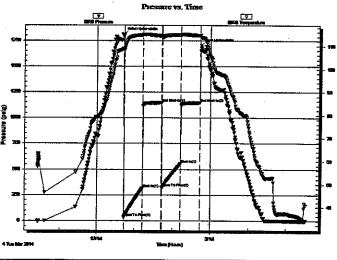
2014.03.04 2014.03.04 @ 12:42:57

Time Off Btm:

2014.03.04 @ 14:44:57

TEST COMMENT: B.O.B. In 4 mins

Dead no blow back B.O.B. In 5 mins Dead no blow back



_	PRESSURE SUMMARY						
	Time Pressure Temp			Annotation			
	(Mn.)	(psig)	(deg F)				
	0	1809.88	108.82	Initial Hydro-static			
•	1	31.68	108.39	Open To Flow (1)			
	30	313.96	114.77	Shut-In(1)			
4	60	1145.50	114.39	End Shut-In(1)			
THE STATE OF	60	322.52	113.87	Open To Flow (2)			
Temperature (dag F)	90	554.41	114.77	Shut-In(2)			
Qe D	121	1145.22	114.53	End Shut-In(2)			
٥	123 1698.81 113.78		Final Hydro-static				
Ì							

Recovery

Length (ft)	Description	Volume (bbl)
150.00	50%M 50%W	2.10
1200.00	2%M 98%W	16.83
		-
-		
Recovery from n	nultiple tests	

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 56120



Castle Rescources Inc

18-17s-9w-Elisworth KS

PO Box 86

Schoenchen KS 67667

Mehl #1

Job Ticket: 56120

DST#: 2

ATTN: Jerry Green

Test Start: 2014.03.04 @ 10:24:07

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Straddle (Reset)

Time Tool Opened: 12:43:17 Time Test Ended: 17:31:07

Tester:

Tate Lang

44

Unit No:

Reference Bevations:

1801.00 ft (KB)

1796.00 ft (CF)

Interval: Total Depth: Hole Diameter: 3294.00 ft (KB) To 3315.00 ft (KB) (TVD) 3344.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

KB to GR/CF:

5.00 ft

Serial #: 8897

Press@RunDepth:

psig @

Inside

3295.00 ft (KB) End Date:

2014.03.04

Capacity: Last Calib .: 8000.00 psig

Start Date:

2014.03.04

End Time:

17:31:07

Time On Btm:

2014.03.04

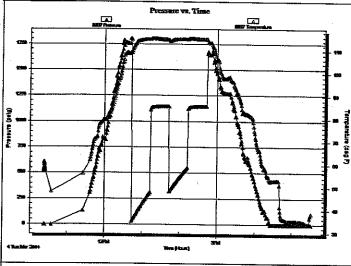
Start Time:

10:24:08

Time Off Btm:

TEST COMMENT: B.O.B. In 4 mins

Dead no blow back B.O.B. In 5 mins Dead no blow back



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

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
150.00	50%M 50%W	2.10
1200.00	2%M98%W	16.83
	· .	
Recovery from n	nultiple tests	

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 56120



Castle Rescources Inc

18-17s-9w-Ellsworth KS

PO Box 86

Schoenchen KS 67667

Mehl #1

Job Ticket: 56120

DST#: 2

ATTN: Jerry Green

Test Start: 2014.03.04 @ 10:24:07

GENERAL INFORMATION:

Time Tool Opened: 12:43:17

Time Test Ended: 17:31:07

Formation:

Arbuckle

Deviated:

Interval:

Νo Whipstock: ft (KB)

Test Type:

Conventional Straddle (Reset)

Tester:

Tate Lang

KB to GR/CF:

Unit No:

1801.00 ft (KB)

Reference Elevations:

1796.00 ft (CF) 5.00 ft

Total Depth: Hole Diameter:

Serial #: 8354

Press@RunDepth:

3294.00 ft (KB) To 3315.00 ft (KB) (TVD) 3344.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Below (Straddle) psig @

3345.00 ft (KB) End Date:

2014.03.04

Capacity: Last Calib.: 8000.00 psig

2014.03.04

Start Date: Start Time: 2014.03.04 10:24:05

End Time:

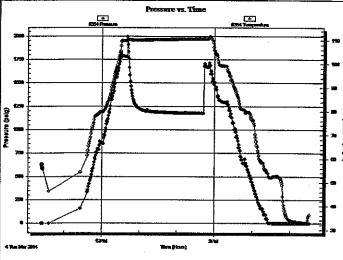
17:31:04

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. In 4 mins

Dead no blow back B.O.B. In 5 mins Dead no blow back



	PRESSURE SUMMARY							
	Time	Pressure	Temp	Annotation				
•	(Min.)	(psig)	(deg F)					
,								
	:							
Ţ.								
200					-			
Temperature (deg l')								
3								
					1			
				•				
					-			

Recovery Description Length (ft) Volume (bbl) 150.00 50%M 50%W 2.10 1200.00 2%M 98%W 16.83 Recovery from multiple tests

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

Trilobite Testing, Inc

Ref. No: 56120



TOOL DIAGRAM

Castle Rescources Inc

18-17s-9w-Ellsworth KS

PO Box 86

Mehl #1

Schoenchen KS 67667

Job Ticket: 56120

DST#: 2

ATTN: Jerry Green

Test Start: 2014.03.04 @ 10:24:07

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3295.00 ft Diameter:

0.00 ft Diameter: 0.00 ft Diameter:

Diameter:

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

46.22 bbl 0.00 bbl 0.00 bbl 46.22 bbl

Tool Weight: Weight set on Packer: 25000.00 lb

2200.00 lb Weight to Pull Loose: 50000.00 lb

Tool Chased String Weight: Initial

0.00 ft 42000.00 lb

Final

38000.00 lb

Drill Pipe Above KB: 21.00 ft Depth to Top Packer: 3294.00 ft

Length:

Depth to Bottom Packer: 3315.00 ft 21.00 ft

Interval between Packers: Tool Length: Number of Packers:

74.00 ft

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut in Tool	5.00			3279.00		
Hydraulic tool	5.00			3284.00	<i>,</i>	
Packer	5.00			3289.00	20.00	Bottom Of Top Packer
Packer	5.00			3294.00		
Stubb	1.00			3295.00		
Recorder	0.00	8897	Inside	3295.00		
Recorder	0.00	8898	Outside	3295.00		
Perforations	15.00			3310.00		
Blank Off Sub	1.00			3311.00		
Blank spacing	4.00			3315.00	21.00	Tool Interval
Packer	4.00			3319.00		
Stubb	1.00			3320.00		
Perforations	25.00			3345.00		
Recorder	0.00	8354	Below	3345.00		
Bullnose	3.00			3348.00	33.00	Bottom Packers & Anchor

Total Tool Length:

74.00

Trilobite Testing, Inc.

Ref. No: 56120



FLUID SUMMARY

deg API

ppm

Castle Rescources Inc.

18-17s-9w-Ellsworth KS

PO Box 86

Mehl #1

Schoenchen KS 67667

Job Ticket: 56120

DST#: 2

ATTN: Jerry Green

Test Start: 2014.03.04 @ 10:24:07

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem Mud Weight:

9.00 lb/gal

Viscosity:

42.00 sec/qt 13.58 in³

Water Loss: Resistivity:

Salinity: Filter Cake: 12000.00 ppm

ohm.m

1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

bbl

ft

psig

Recovery Information

Recovery Table

Length ft Description Volume bbl 150.00 50%M50%W 2.104 1200.00 2%M 98%W 16.833

Total Length:

1350.00 ft

Total Volume:

18.937 bbl

Num Fluid Samples: 0 Laboratory Name:

Num Gas Bombs:

Laboratory Location:

Serial #:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 56120

<u>\$</u>

50

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8

80

Temperature (deg F)

Serial #: 8898

Outside Castle Rescources Inc

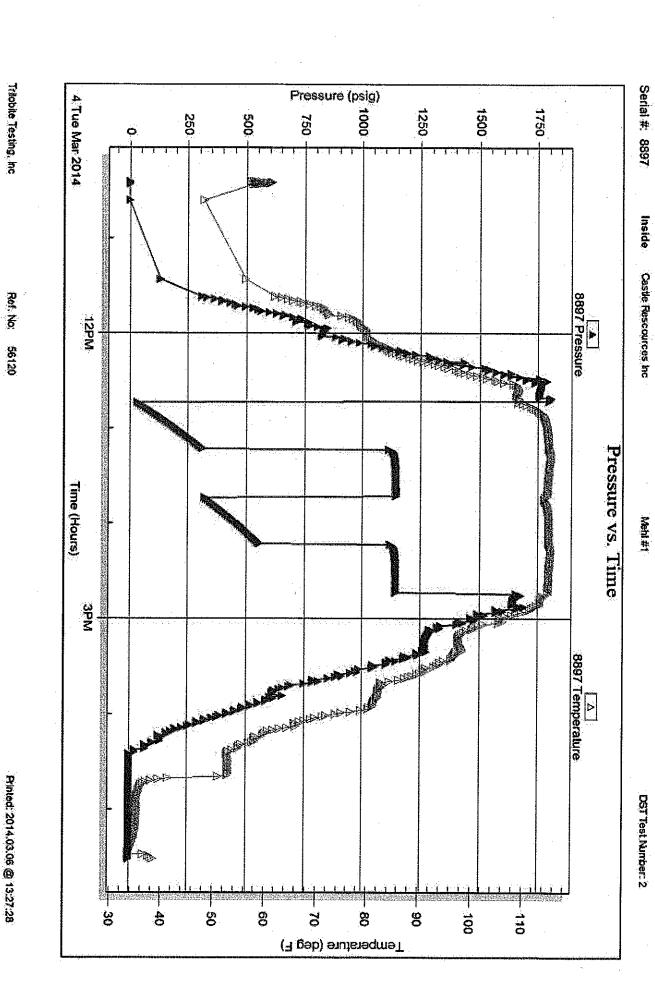
Mehl#1

DST Test Number: 2

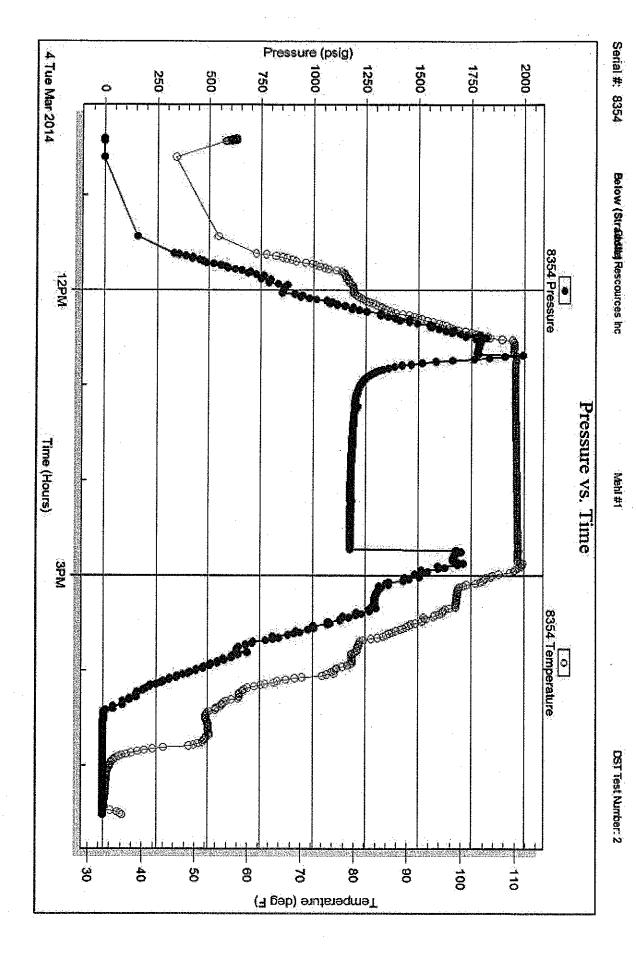
110

8

9









Test Ticket

NO. 56119

1515 Commerce Parkw	ay • Hays, Kansas 67601	NO. 00117
Well Name & No. Med #/	Test No.	Date 3-4-14
company Castle Resource	Elevation_	1801 KB 1796 GL
$M \cap M \cap$	sender KS (07	667
Co. Rep / Geo. SOTY Green	Rig (1	hite Knight
Location: Sec. 18° Twp. 12°		Scorth State 195
Interval Tested 3253 3264	Zone Tested <u>Arbock</u> /	
Anchor Length 80 Zaul	Drill Pipe Run	Mud Wt. 9, 2
Top Packer Depth 3249	Drill Collars Run	Vis 42
Bottom Packer Depth 3253	Wt. Pipe Run	wi 13,6e
Total Depth 3744	Chlorides	opm System LCM / 1/2#
Blow Description B. D. B. J. 35	mis	
Year No Throw level	4	
Cotal sortare blow	s built to 2hin/ He	ad Orsnewed alithe)
Dred up Stow	back	
Rec D Feet of 30GIP	%gas	%oil %water %mud
Rec Feet of Con Oil	%gas	%oil %water %mud
Rec 30 Feet of 64M	%gas	%oil 30%water 70 %mud
Rec 240 Feet of VSMCW	%gas	%oil 98 %water 2 %mud
Rec Feet of	%qas	%oil %water %mud
Rec Total 271 , BHT 113	Gravity API RW 40	@ 75° F Chlorides 136° ppm
(A) Initial Hydrostatic 1749	Test 1150	T-On Location
(B) First Initial Flow	☐ Jars	T-Started <u>01123</u>
(C) First Final Flow 82	☐ Safety Joint	T-Open <u> Ø3:42</u>
(D) Initial Shut-In	☐ Circ Sub	T-Pulled 06/42
(E) Second Initial Flow	☐ Hourly Standby	T-Out
(F) Second Final Flow 143	158 R/1	Comments 244.90
(G) Final Shut-In	☐ Sampler_	
(H) Final Hydrostatic 1702	Straddle 600	☐ Ruined Shale Packer
2.12	Shale Packer 250	— □ Ruined Packer
Initial Open	☐ Extra Packer	— D Extra Copies
Initial Shut-In	☐ Extra Recorder	Sub Total0
Final Flow	Day Standby	Total 2244.90
Final Shut-In	☐ Accessibility	MP/DST Disc't

2244.90

Sub Total

RILOBITE STING INC. 1515 Commerce Parkway

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56120

4/ (U = 97 = 98).	<u> </u>	٠		2
Well Name & No. Web #		Test No	<u></u>	\$-14
company COSTR RESOUR	ces .	Elevation/80) KB //	296_gl
Address PO Bex 8750	hoercher M	(9/66)	7	<i></i>
Co. Rep/Geo. SETY Gree	\	_Rig_Whi	te Maight	
Location; Sec. 18 Twp	7-S rge. <u> </u>	co. F//su	State	165
\$200cil	and the second second second second	buckle		
interval tested 440 1	Drill Pipe Run	<u> </u>	Mud Wi. 9	7
Anchor Length 21 20 10	90 Drill Collars Run	7)	Vis 4	5
Top Packer Depth	11	5		
Bottom Packer Depth 3 ?	Wt. Pipe Run C	700	77	12 H
Total Depth B	Onlorides 1/1	DUU_ppm Sy	stem LCM //	
Blow Description D. O. S.	Jan Shock		<u></u>	
Bio, B. T	slow back			
Dank Mark	MS POS			<u>t danda</u> Tanan kangsastan
Rec 150 Feet of MCW	DIDW PECK	Of man	%oil ≤€%wate	r <i>50</i> /mud
TOM JEMIN		%gas	46	<i>~</i> 7
		%gas		e de la constalición
RecFeet of		%gas	%oil %wate	
RecFeet of		%gas	%oil %wate	 Control of the Control of the Control
Rec Feet of	11 2	%gas	%oil %wate	
Rec Total 4550 BHT 4		PIRW_50@,4	<u>_</u>	206 ppm
(A) Initial Hydrostatic 1810	X Test1150		T-On Location	24
(B) First Initial Flow 314	Q Jars		T-Open 1.21	1/3
1171/2			T-Pulled 14/2	/2
(D) Initial Shut-in	Circ Sub		T-Out	
(E) Second Initial Flow			Comments	
(F) Second Final Flow 554	D Mileage			
(G) Final Shut-In 145	🛘 Sampler			
(H) Final Hydrostatic //2 ⁴	Straddle 600		☐ Ruined Shale Pack	er <u> </u>
20	Shale Packer	250	☐ Ruined Packer	
Initial Open	D Extra Packer		☐ Extra Copies	
Initial Shut-In 30		· · · ·		
Final Flow 36	Day Standby		Total 2000	
Final Shut-in 36	Accessibility	1.1	MP/DST Disc't	
· ·	Sub Total 2000			*
Approved By	Our F	Representative	14/1/	
Tribbite Testing Inc. shall not be liable for damaged of any kind of the			TW (May 1	