## KOLAR Document ID: 1788690

Confiden	tiality Re	quested:
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

		DECODIDEIO		
WELL	HISTORY	- DESCRIPTIO	N OF WELL	& LEASE

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

#### AFFIDAVIT

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

## Submitted Electronically

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

## KOLAR Document ID: 1788690

Operator Name:	Lease Name: Well #:
Sec TwpS. R East 🗌 West	County:

Page Two

**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).

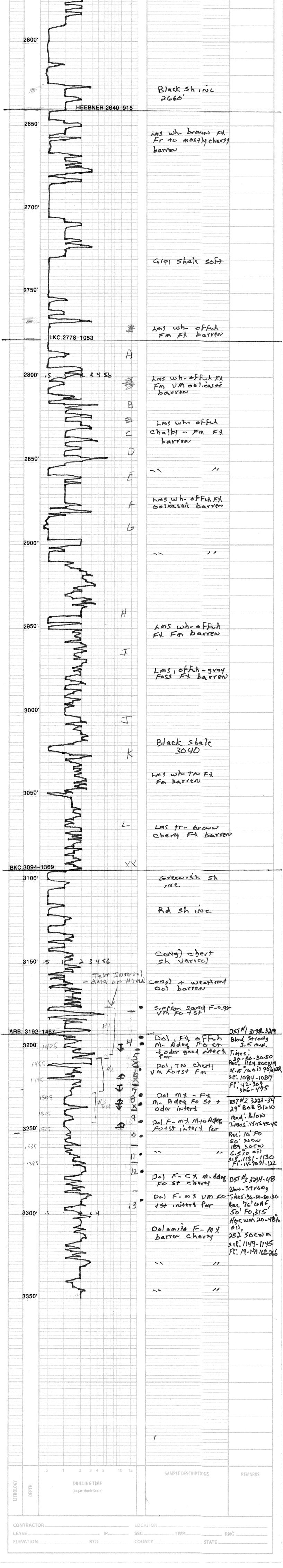
Drill Stem Tests Taken (Attach Additional Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c		] Ne	w Used rmediate, productio	on. etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sacks Use	d		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
<ol> <li>Did you perform a hydra</li> <li>Does the volume of the</li> <li>Was the hydraulic fracture</li> </ol>	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole		-	·	nit ACO-4)	юр	Bollom
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Castle Resources, Inc.
Well Name	MOLLHAGEN 3
Doc ID	1788690

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	214	common		3%CC 2%Gel
Production	7.88	5.5	15.5	3349	common	425	60/40

SAMPLES EXAMINED FROM 2500 DRILLING TIME KEPT FROM 2500 9 GEOLOGIST ON WELL 2500 GEOLOGICAL SUPERVISION FROM 2500 SAMPLES SAVED FROM N 3350 SPUD 7-19-24 MUD UP 2500 CONTRACTOR WHITE KNIGHT DRLG COUNTY ELLSWORTH STATE KS. LUCATION 1750 FINE 3390 FEL GENESEO COMPANY CASTLE REOURCES INC LKC. **MOLLHAGEN#3** BKC. RTD ARB SAOL NOLLYWAD l. m 70 70 ~ CONSULTING GEOLOGIST TWSP 175 3192-1467 3090-1365 2778-1053 3346-1621 COMP 7-24-24 3346 TYPE MUD CHEM 2500 ス m て の ス イ range Ison 3350-1625 3094-1369 2778-1053 3192-1467 8W SAMPLES DRILLING TIME AND SAMPLE LOG PHONE: 785-625-5155 4350 Keystone Rd HAYS ି TD SURFACE N 2 0 233 Measurements udini 2005 2000 TD. PRODUCTION. 1720 TO TD. **1725** STACK/MICRO THE NEW YORK Y KS 67601 SNOLVAN @210 REMARKS INTERESTINg. This well Demon strating 5 42 very 20Nation side water drive. All parties that we set ppe to test this well -14 and in us lied recommended Fursher. respectfully submitted LEGEND DRILLING TIME HI SAN (Legarithmic Scale) SAMPLE DESCRIPTIONS REMARKS 2500' 2550'



# • 815 Main Street Victoria, KS 67671 • 24 Hour Phone (785) 639-7269

♦ Office Phone (785) 639-3949

• Email: franksoilfield@yahoo.com

TICKET NUMBER

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LOCATION TOTAL VILTONIG

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AUTHORIZATION\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

TITLE TUSIN C(

# **FRANKS** Oilfield Service ♦ 815 Main Street Victoria, KS 67671 ♦ 24 Hour Phone (785) 639-7269

♦ Office Phone (785) 639-3949

Email: franksoilfield@yahoo.com

TICKET NUMBER

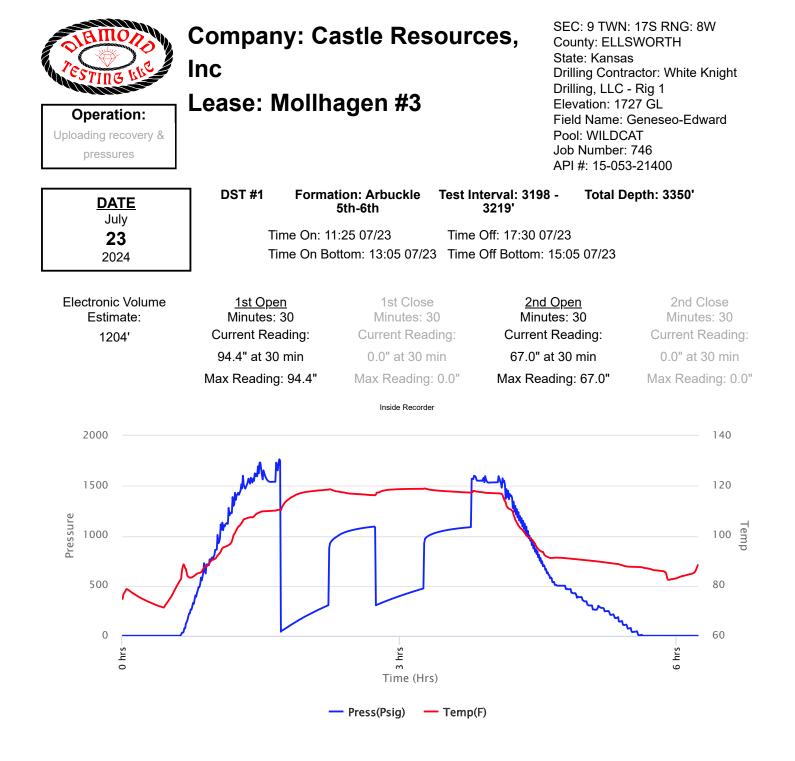
FOREMAN Jack

LOCATION ANICTOR

1289

DATE	CUSTOMER #	WELL	NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
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CODE PC004 MD01	-1	Y or UNITS	PUMP CHARGE Top MILEAGE	to botton.	RODUCT		TOTAL
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I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



Operation Uploading recov pressures	n: /ery &	ompany: ( c ease: Moll			<b>S,</b> Cou Stat Drilli Drilli Elev Field Poo Job	2: 9 TWN: 17S R nty: ELLSWORT e: Kansas ing Contractor: V ing, LLC - Rig 1 ration: 1727 GL d Name: Genese I: WILDCAT Number: 746 #: 15-053-21400	ГН White Knight eo-Edward
DATE		DST #1 For	nation: Arbuckle 5th-6th	Test Interv 321		Total Depth: 3	350'
July		Time On	11:25 07/23	Time Off:	17.20 07/22		
23			Bottom: 13:05 07/23		17:30 07/23 3ottom: 15:05	07/22	
2024		Time On	Douom. 15.05 077		Jouoni. 10.00	01120	
Reco	vered						
Foot	BBLS	<u>Descriptio</u>	<u>n of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
30	0.4269	SLGCSLO	CSLMCW	2	10	73	15
189	2.68947	SLGCSLM	CSLOCW	1	12	76	11
315	4.48245	SLGCSLM	CSLOCW	1	8	87	4
378	5.37894	SLMCW	(trace O)	0	0.4	97.6	2
252	3.58596	SLMCW	(trace O)	0	0.05	97.95	2
Total Recove Total Barrels			Reversed Out NO		Recover	y at a glance	
Initial Hydrost	tatic Pressure	e 1750	PSI	10			
	Initial Flow		PSI	BBL			
Initial Closed	d in Pressur	e 1084	PSI				
Final F	low Pressure	e 306 to 475	PSI				
Final Closed	d in Pressur	e 1087	PSI	0		Recovery	
Final Hydrost	tatic Pressure	e 1601	PSI			Recovery	
	Temperature	e 119	°F	-	Gas • 0 ).48% 4	il <b>V</b> ater .51% 90.67	
Pressure	Change Initia	al 0.0	%				
Close	e / Final Close	е		GIP cubic foot	volume: 0.450	06	

Coperation: Uploading recovery & pressures	Inc	ny: Castle Res Mollhagen #3	ources,	SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1727 GL Field Name: Geneseo-Edward Pool: WILDCAT Job Number: 746 API #: 15-053-21400
DATE	DST #1	Formation: Arbuckle 5th-6th	Test Interval: 3198 3219'	- Total Depth: 3350'
July <b>23</b>		Time On: 11:25 07/23	Time Off: 17:30 07	/23
2024		Time On Bottom: 13:05 07/23	Time Off Bottom <sup>.</sup> 1	5.05.07/23

1st Open: .75" blow built to BOB in 3.5 minutes, final 94.4".

1st Close: No blow back.

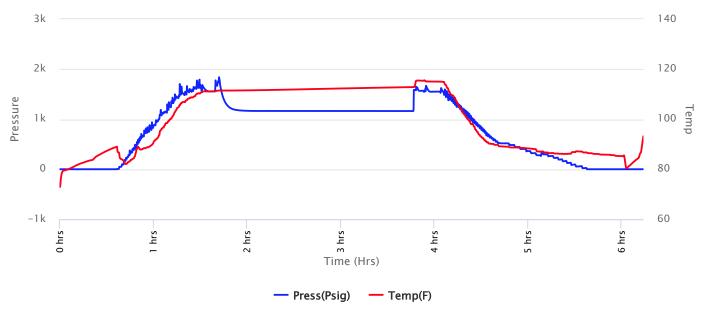
2nd Open: 0.5" blow, built to BOB in 5 minutes, final 67.0".

2nd Close: No blow back.

## REMARKS:

Tool Sample: 0% Gas 0.02% Oil 98.98% Water 1% Mud

#### Below Straddle Recorder





Inc

Operation: Uploading recovery & pressures

# Company: Castle Resources,

Lease: Mollhagen #3

SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1727 GL Field Name: Geneseo-Edward Pool: WILDCAT Job Number: 746 API #: 15-053-21400

0400 FT

DATE	
July	
23	
2024	

DST #1	Formation: Arbuckle 5th-6th	Test Interval: 3198 - 3219'	Total Depth: 3350'
Т	ime On: 11:25 07/23	Time Off: 17:30 07/23	
Т	ime On Bottom: 13:05 07/23	Time Off Bottom: 15:05	07/23

## **Down Hole Makeup**

Heads Up:	4.6 FT	Packer 1:	3193 FT
Drill Pipe:	3174.86 FT	Packer 2:	3198 FT
ID-3 1/2		Packer 3:	3219 FT
Weight Pipe: ID-2 7/8	FT	Top Recorder:	3182.42 FT
Collars:	FT	Bottom Recorder:	3220 FT
ID-2 1/4		Below Straddle Recorder:	3316 FT
Test Tool:	28.74 FT	Well Bore Size:	7 7/8
ID-3 1/2-FH Safety Joint		Surface Choke:	1"
Total Anchor:	21	Bottom Choke:	5/8"
Anchor	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	20 FT		
Change Over:	FT		
Drill Pipe: (in anchor): ID-3 1/2	FT		
Change Over:	FT		
Perforations: (below): 4 1/2-FH	FT		
STRA	DDLE		
Straddle Packer(s):	1 FT		
Change Over:	0.5 FT		
<b>Drill Pipe:</b> <i>ID-3 1/2"</i>	63 FT		

Change Over: 0.5 FT Perforations (in tail pipe): 35 FT

4 1/2-FH

Coperation: Uploading recovery & pressures	Inc	ny: Castle Res Mollhagen #3	ources,	SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1727 GL Field Name: Geneseo-Edward Pool: WILDCAT Job Number: 746 API #: 15-053-21400
DATE	DST #1	Formation: Arbuckle 5th-6th	Test Interval: 3198 3219'	- Total Depth: 3350'
July <b>23</b>	Ti	me On: 11:25 07/23	Time Off: 17:30 07/	/23
2024	Ti	me On Bottom: 13:05 07/2	3 Time Off Bottom: 1	5:05 07/23
	_	Mud Prope	erties	

Mud Type: Chem

Weight: 9.3

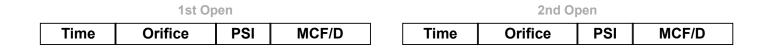
Viscosity: 42

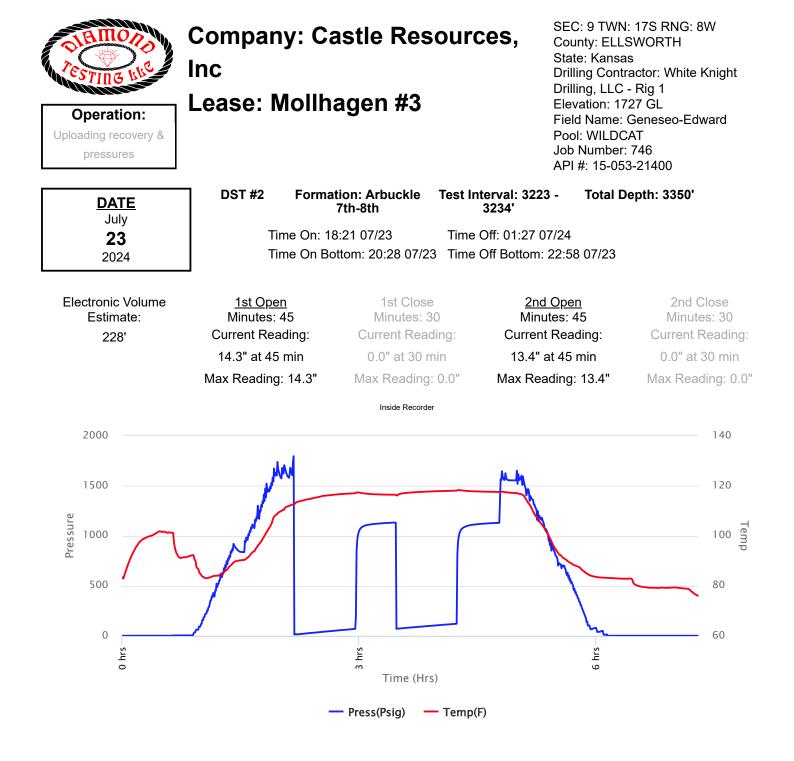
Filtrate: 10.4

Chlorides: 7000 ppm

Contraction: Uploading recovery & pressures	Inc	ny: Castle Res Mollhagen #3	ources,	SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1727 GL Field Name: Geneseo-Edward Pool: WILDCAT Job Number: 746 API #: 15-053-21400
DATE July	DST #1	Formation: Arbuckle 5th-6th	Test Interval: 3198 3219'	- Total Depth: 3350'
23		Time On: 11:25 07/23	Time Off: 17:30 07/	23
2024		Time On Bottom: 13:05 07/23	3 Time Off Bottom: 1	5:05 07/23

# Gas Volume Report





resting the	Company: nc _ease: Mo			S, Con Sta Dril Dril Ele Fie Poo Job	C: 9 TWN: 17S R unty: ELLSWORT ite: Kansas lling Contractor: V lling, LLC - Rig 1 vation: 1727 GL ld Name: Genese ol: WILDCAT o Number: 746 I #: 15-053-21400	H Vhite Knight eo-Edward
DATE	DST #2 Fo	ormation: Arbuckl 7th-8th	e Test Interva 323		Total Depth: 3	350'
July				-		
23		0n: 18:21 07/23	_	01:27 07/24		
2024	Time C	on Bottom: 20:28 07	7/23 Time Off E	Bottom: 22:5	8 07/23	
Recovered						
Foot BBLS	Descript	ion of Fluid	<u>Gas %</u>	Oil %	Water %	<u>Mud %</u>
10 0.1423		0	0	100	0	0
50 0.7115	SLGCSL	OCSLMCW	5	5	77	13
189 2.68947	SLOC	SLMCW	0	2	94	4
Total Recovered: 249 Total Barrels Recove		Reversed Out NO		Recove	ry at a glance	
Initial Hydrostatic Press	ure 1797	PSI	2			
Initial F	low 14 to 70	PSI	BBL			
Initial Closed in Press	ure 1131	PSI				
Final Flow Press		PSI	0			
Final Closed in Press		PSI	0		Recovery	
Final Hydrostatic Press		PSI			,	
Temperat	ure 119	°F		Gas • O 1% 6	il <b>O</b> Water .54% 86.81%	• Mud 5.65%
Pressure Change In	itial 0.1	%				
Close / Final Clo	ose		GIP cubic foot	volume: 0.19	9974	

Coperation: Uploading recovery & pressures	Inc	ny: Castle Res Mollhagen #3	SOURCES, C S D D E Fi P J	EC: 9 TWN: 17S RNG: 8W ounty: ELLSWORTH tate: Kansas rilling Contractor: White Knight rilling, LLC - Rig 1 evation: 1727 GL eld Name: Geneseo-Edward col: WILDCAT ob Number: 746 PI #: 15-053-21400
DATE July	DST #2	Formation: Arbuckle 7th-8th	- Test Interval: 3223 3234	Total Depth: 3350'
<b>23</b> 2024		Гіme On: 18:21 07/23 Гіme On Bottom: 20:28 07/2	Time Off: 01:27 07/2 3 Time Off Bottom: 22	-

#### BUCKET MEASUREMENT:

1st Open: Weak surface blow, built to 4"in 10 minutes, BOB in 33.5 minutes, final built to 14.3". 1st Close: No blow back.

2nd Open: Weak surface blow, built to 3" in 10 minutes, BOB in 39 minutes, final built to 13.4". 2nd Close: Weak surface blow after 8 minutes, died in 4 minutes.

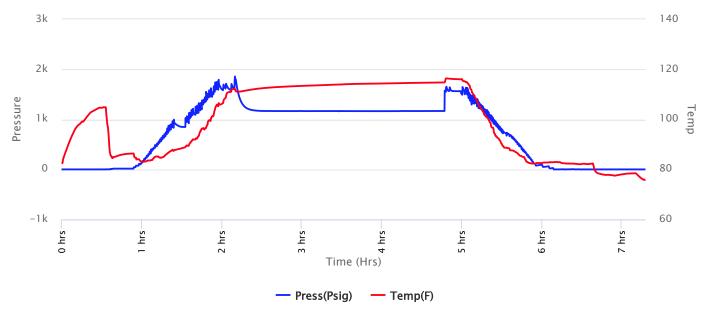
#### REMARKS:

Tool Sample: 0% Gas 10% Oil 88% Water 2% Mud

Gravity: 40.9 @ 60 °F

Chlorides: 17400 ppm

#### Below Straddle Recorder





Operation: Uploading recovery & pressures

Company:	Castle	Resources,
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Inc Lease: Mollhagen #3 SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1727 GL Field Name: Geneseo-Edward Pool: WILDCAT Job Number: 746 API #: 15-053-21400

DATE	
July	
23	
2024	

DST #2	Formation: Arbuckle 7th-8th	Test Interval: 3223 - 3234'	Total Depth: 3350'
Ti	me On: 18:21 07/23	Time Off: 01:27 07/24	
Ti	me On Bottom: 20:28 07/23	Time Off Bottom: 22:58	07/23

## **Down Hole Makeup**

Heads Up:	12.95 FT	Packer 1:	3218 FT
Drill Pipe:	3208.21 FT	Packer 2:	3223 FT
ID-3 1/2		Packer 3:	3234 FT
Weight Pipe:	FT	Top Recorder:	3207.42 FT
ID-2 7/8		Bottom Recorder:	3235 FT
Collars:	FT		
ID-2 1/4		Below Straddle Recorder:	3330 FT
Test Tool:	28.74 FT	Well Bore Size:	7 7/8
ID-3 1/2-FH Safety Joint		Surface Choke:	1"
-		Bottom Choke:	5/8"
Total Anchor:	11		
	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	10 FT		
Change Over:	FT		
Drill Pipe: (in anchor): ID-3 1/2	FT		
Change Over:	FT		
Perforations: (below): 4 1/2-FH	FT		
STRA	DDLE		
Straddle Packer(s):	1 FT		
Change Over:	0.5 FT		
<b>Drill Pipe:</b> <i>ID-3 1/2</i> "	63 FT		

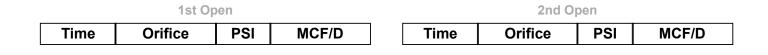
Change Over: 0.5 FT	Ch	ange	Over:	0.5 FT
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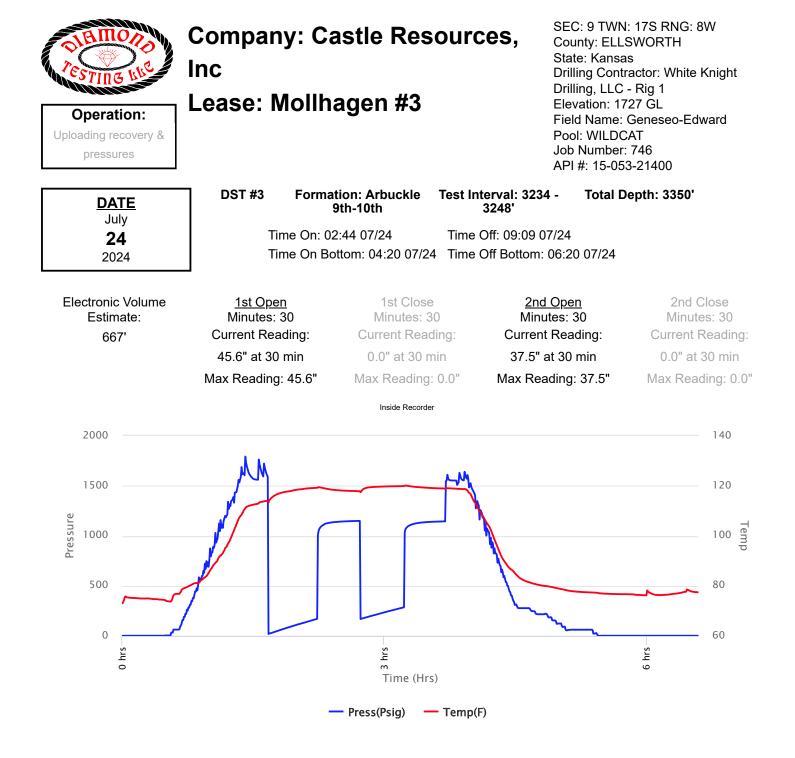
Perforations (in tail pipe): 21 FT 4 1/2-FH

Correction: Uploading recovery & pressures	Inc	iy: Castle Res Aollhagen #3	OURCES, C S D D E Fi P J	EC: 9 TWN: 17S RNG: 8W ounty: ELLSWORTH tate: Kansas rilling Contractor: White Knight rilling, LLC - Rig 1 levation: 1727 GL ield Name: Geneseo-Edward ool: WILDCAT ob Number: 746 PI #: 15-053-21400
DATE July	DST #2	Formation: Arbuckle 7th-8th	- Test Interval: 3223 3234'	Total Depth: 3350'
23	Ti	me On: 18:21 07/23	Time Off: 01:27 07/2	4
2024	Ti	me On Bottom: 20:28 07/23	3 Time Off Bottom: 22	:58 07/23
		Mud Prope	rties	
Mud Type: Chem	Weight: 9.3	Viscosity: 42	Filtrate: 10.4	Chlorides: 7000 ppm

Correction: Uploading recovery & pressures	Inc	ny: Castle Res Mollhagen #3	ources,	SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1727 GL Field Name: Geneseo-Edward Pool: WILDCAT Job Number: 746 API #: 15-053-21400
DATE July	DST #2	Formation: Arbuckle 7th-8th	Test Interval: 3223 3234'	- Total Depth: 3350'
23	Т	ime On: 18:21 07/23	Time Off: 01:27 07	/24
2024	Т	ime On Bottom: 20:28 07/2	3 Time Off Bottom: 2	2:58 07/23

# Gas Volume Report





Coperation: Uploading recovery & pressures	Inc	mpany: Ca ase: Mollh			es,	SEC: 9 TWI County: ELI State: Kans Drilling Con Drilling, LLC Elevation: 1 Field Name Pool: WILD Job Number API #: 15-0	_SWORTH as tractor: Whi 2 - Rig 1 727 GL : Geneseo-E CAT r: 746	te Knight
DATE	יך	DST #3 Forma	ation: Arbuckl 9th-10th		erval: 3234 3248'	- Total I	Depth: 3350	)'
July		Time On: 0			Off: 09:09 0	7/24		
24			2.44 07/24 ottom: 04:20 0					
2024			5110111. 04.20 0		on Dottom.	00.20 01724		
Recovered								
Foot BBI	<u>LS</u>	Description of	of Fluid	<u>Gas %</u>	<u>Oil</u>	<u>%</u> Wa	ter %	<u>Mud %</u>
76 1.08	148	G		100	0		0	0
0 0	)	SLGCSLMCS	SLOCW	5	1(	)	75	10
126 1.79	298	SLMCSLG	COCW	5	20	)	72	3
189 2.68	947	SLMCSLGC	HOCW	5	47	7	47	1
252 3.58	596	SLMCSLC	DCW	0	1		98	1
Total Recovered: 643 ft       Reversed Out       Recovery at a glance         Total Barrels Recovered: 9.14989       NO       5								
Initial Hydrostatic Pr	essure	1723	PSI	_				
- Initia	al Flow	19 to 171	PSI	- Таа 2.5 —				
Initial Closed in Pre	essure	1149	PSI					
Final Flow Pr	essure	168 to 286	PSI					
Final Closed in Pre	essure	1145	PSI	0			Recovery	
Final Hydrostatic Pr	essure	1611	PSI			I	CCOVCI y	
Tempe	erature	121	°F		Gas 14.27%	<ul><li>Oil</li><li>18.13%</li></ul>	Water 66.33%	Mud 1.27%
Pressure Change Close / Final		0.4	%	GIP cubic f	oot volume:	7.33031		

Close / Final Close

GIP cubic foot volume: 7.33031

Coperation: Uploading recovery & pressures	Inc	ny: Castle Res Mollhagen #3	OURCES, C S C C F F J J	SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1727 GL Field Name: Geneseo-Edward Pool: WILDCAT ob Number: 746 API #: 15-053-21400
DATE July	DST #3	Formation: Arbuckle 9th-10th	Test Interval: 3234 - 3248'	Total Depth: 3350'
<b>24</b>	Т	ime On: 02:44 07/24	Time Off: 09:09 07/2	24
2024	Т	ime On Bottom: 04:20 07/24	Time Off Bottom: 06	6:20 07/24

1st Open: .25" blow, built to BOB in 8 minutes, final built to 45.6".

1st Close: No blow back.

2nd Open: .25" blow, built to BOB in 11 minutes, final built to 37.5".

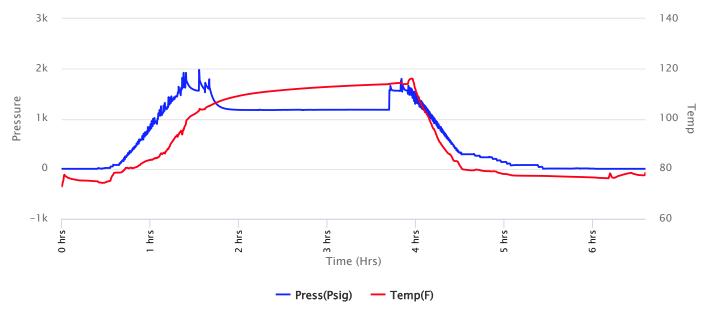
2nd Close: No blow back.

## REMARKS:

Tool Sample: 0% Gas 1% Oil 98.5% Water 0.5% Mud

Chlorides: 12200 ppm

#### Below Straddle Recorder





Company: Castle Resources,

Lease: Mollhagen #3

🗯 Inc

Operation: Uploading recovery & pressures

> DATE July 24 2024

SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1727 GL Field Name: Geneseo-Edward Pool: WILDCAT Job Number: 746 API #: 15-053-21400

DST #3	Formation: Arbuckle 9th-10th	Test Interval: 3234 - 3248'	Total Depth: 3350'
Tir	me On: 02:44 07/24	Time Off: 09:09 07/24	
Tir	me On Bottom: 04:20 07/24	Time Off Bottom: 06:20	07/24

## **Down Hole Makeup**

Heads Up:	31.95 FT	Packer 1:	3229 FT		
Drill Pipe:	3238.21 FT	Packer 2:	3234 FT		
ID-3 1/2		Packer 3:	3248 FT		
Weight Pipe: ID-2 7/8	FT	Top Recorder:	3218.42 FT		
Collars:	FT	Bottom Recorder:	1 FT		
ID-2 1/4	1 1	Below Straddle Recorder:	3345 FT		
Test Tool:	28.74 FT	Well Bore Size:	7 7/8		
ID-3 1/2-FH		Surface Choke:	1"		
Safety Joint		Bottom Choke:	5/8"		
Total Anchor:	14				
	Makeup				
Packer Sub:	1 FT				
Perforations: (top): 4 1/2-FH	13 FT				
Change Over:	FT				
Drill Pipe: (in anchor): ID-3 1/2	FT				
Change Over:	FT				
Perforations: (below): 4 1/2-FH	FT				
STRADDLE					
Straddle Packer(s):	1 FT				
Change Over:	0.5 FT				
Drill Pipe: ID-3 1/2"	63 FT				

Change Over: (	0.5 FT	
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Perforations (in tail pipe): 6 FT 4 1/2-FH

Contraction: Uploading recovery & pressures	Inc	ny: Castle Res Mollhagen #3	ources,	SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1727 GL Field Name: Geneseo-Edward Pool: WILDCAT Job Number: 746 API #: 15-053-21400
DATE July	DST #3	Formation: Arbuckle 9th-10th	Test Interval: 3234 3248'	- Total Depth: 3350'
24	Ti	ime On: 02:44 07/24	Time Off: 09:09 07	//24
2024	Ti	ime On Bottom: 04:20 07/24	Time Off Bottom: 0	06:20 07/24
		Mud Prope	rties	
Mud Type: Chem	Weight: 9.3	Viscosity: 42	Filtrate: 10.4	4 Chlorides: 7000 ppm

Contraction: Uploading recovery & pressures	Inc	iy: Castle Res Aollhagen #3	ources,	SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1727 GL Field Name: Geneseo-Edward Pool: WILDCAT Job Number: 746 API #: 15-053-21400
DATE July	DST #3	Formation: Arbuckle 9th-10th	Test Interval: 3234 3248'	- Total Depth: 3350'
24	Ti	me On: 02:44 07/24	Time Off: 09:09 07	/24
2024	Ti	me On Bottom: 04:20 07/24	4 Time Off Bottom: 0	6:20 07/24
	_			

# Gas Volume Report

