KOLAR Document ID: 1788670

Confiden	tiality 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 HISTORY - DESCRIPTION OF WELL & LEASE			
OPERATOR: License #		API No.:		
Name:		Spot Description:		

Name:	Spot Description:
Address 1:	Sec TwpS. R East 🗌 West
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 #	
Name:	(e.g. xx.xxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workd	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? Yes No
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 #:	
EOR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completi	Quarter Sec TwpS. R East West
	letion 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: 1788670

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 Sheets)		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									
 Did you perform a hydra Does the volume of the Was the hydraulic fracture 	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:		METHOD OF (COMPLETION:			PRODUCTION INTERVAL:	
Vented Sold (If vented, Subn	Used on Lease		Open Hole		-	·	nit ACO-4)	Тор	Bottom
	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 2
Doc ID	1788670

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	221	common	3%CC 2%Gel

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 1272

LOCATION Hoxie FOREMAN Jack

FIELD TICKET & TREATMENT REPORT

CEMENT

	and a state of the	P	and the second second second					and the second second starting of the
DATE	CUSTOMER #	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY	
7-9-24	9860	Mollhagen	#Z	e denoide a ser a ser a ser	9	17	8	Ellsubith
CUSTOMER		n energe ecologiati			the side stars to a	2. 美丽教师,包括2. 1. 1.		the little second the
and the second		isources Inc	Sheet renting h	solide	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRI	ESS			dente.	103	Josh		1 Havendagharts
PO BOX 583					203	NT		
CITY	alien Tiper albui. A	STATE	ZIP CODE					
with the second of	Russpll	KS	67665	and a second				and the second second second
JOB TYPE	wetace	HOLE SIZE		HOLE DEPTH		CASING SIZE & W	Eight 🥂 🔗 🖇	8 23 t
CASING DEPTH DRILL PIPE				INGOTHER				
SLURRY WEIGH	нт <u>_/5, к</u>	SLURRY VOL		WATER gal/sl	VATER gal/sk CEMENT LEFT in CASING			
DISPLACEMEN	T_/3.16	DISPLACEMENT	PSI	MIX PSI		RATE		
REMARKS:	Selet	pareting \$	sat up a	. Lipite	Katcht. Ci.	- dated and	hooked	un à mires
		and there we have a set of the set	and the second second second second second		and the second sec	Cir dated		
Ballada ?				dealers and	These s	No. of Comments		and the second
The second second	Mary Constant in	a fer Trippen fra der soner	en et Cananti ati	ALL AND				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
Ani		PUMP CHARGE Surface		
jenos i	and the second	MILEAGE		
proor	The State of the S	tmo	an nang pana si sa sa sa	
C \$ 10 /	150 55	Clin A 364 29 al		man BOX abov
	2012年1月1日1日			Barrow With States
			Sam performanceses	de la placer de
				and the state of the
Carl Property	C. Hitsenson		Chile on the start of the	
San Sec. 19				New April 2019
地震等近的	CERTIFICATION OF A CONTRACT			
这点来, 那些	////			
North Const				
Carl Area				
	11/		NUT OF STREET	Contract of the Second
			SALES TAX	
			ESTIMATED TOTAL	-

AUTHORIZATION

TITLE

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.

DATE

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

TICKET NUMBER

DATE

• Office Phone (785) 639-3949

AUTHORIZATION

Email: franksoilfield@yahoo.com

FOREMAN

FIELD TICKET & TREATMENT REPORT

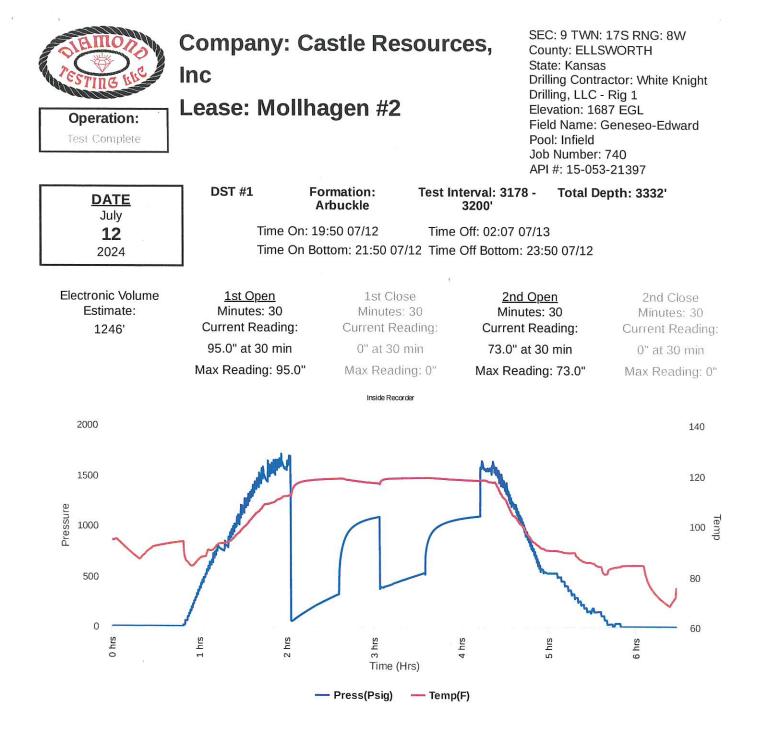
CEMENT

DATE	CUSTOMER #	WE	LL NAME & NUN	IBER	SECTION	TOWNSHIP	RANGE	COUNTY
7 24	$c_1^2 \leq j_2 < 1$	Molthian	na L		4	17	- 20 15	E
CUSTOMER								
	Contraction Francisco	and the second second			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDF	RESS				14	1		
	11 BW 393	K()			.5.2	51		
CITY		STATE	ZIP CODE					
A. C.	23.56	115	(m. 77 and 187					
JOB TYPE	HOLE SIZE		HOLE DEPTH	CASING SIZE & WEIGHT				
CASING DEPTH	н	DRILL PIPE		TUBING		OTHER		
SLURRY WEIG	HT	SLURRY VOL		WATER gal/sk_		CEMENT LEFT in CASING		
DISPLACEMEN	JT	DISPLACEME	NT PSI	MIX PSI				
REMARKS:	5.6.	le gent de la comp	Sat and O			and the same		
		S/501 35						
		The Mary						
	<i>~</i> >	7501 850						
+	77	270 20		10.5			а.	
	5)		~ +_30=					
		44 C. 191		-				
					4			

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
Aci	1	PUMP CHARGE		
day and	1621	MILEAGE		
mar	The forth	to a reliance della con		
C BE-10	lease	Cause It larger and a		
				10.
2	-			
			SALES TAX	
			ESTIMATED TOTAL	

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



resting the	Company: C Inc Lease: Molll			y Cou Stat Drill Drill Elev Fiel Poo Job	2: 9 TWN: 17S R nty: ELLSWORT e: Kansas ing Contractor: V ing, LLC - Rig 1 vation: 1687 EGL d Name: Genese l: Infield Number: 740 #: 15-053-2139	H Vhite Knight eo-Edward
DATE July	DST #1	Formation: Arbuckle	Test Interva 3200		Total Depth: 3	332'
12	Time On:	19:50 07/12	Time Off: 0	2:07 07/13		
2024	Time On	Bottom: 21:50 0	7/12 Time Off B	ottom: 23:5	0 07/12	
<u>Recovered</u> <u>Foot</u> <u>BBLS</u> 107015.226 100.1423	61 W 3 M		<u>Gas %</u> 0 0	<u>Oil %</u> 0 0	<u>Water %</u> 100 0	<u>Mud %</u> 0 100
Total Recovered: 10 Total Barrels Recove		Reversed Out NO		Recover	ry at a glance	
Initial Hydrostatic Pres		PSI	10 			
Initial		PSI	BBL			
Initial Closed in Pres		PSI				
Final Flow Pres Final Closed in Pres		PSI PSI				
Final Hydrostatic Pres		PSI	0		Recove	rv
Tempera		°F		Gas	Oil Wate	r 🥘 Mud
Pressure Change I	nitial 0.0	%				
Close / Final C	Close		GIP cubic foot vo	olume: 0		

Complete	Company: Castle Resources, Inc Lease: Mollhagen #2 SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Kr Drilling, LLC - Rig 1 Elevation: 1687 EGL Field Name: Geneseo-Edwar Pool: Infield Job Number: 740 API #: 15-053-21397	night
DATE July	DST #1 Formation: Test Interval: 3178 - Total Depth: 3332' Arbuckle 3200'	
12	Time On: 19:50 07/12 Time Off: 02:07 07/13	
2024	Time On Bottom: 21:50 07/12 Time Off Bottom: 23:50 07/12	
1st Close: No blow back	is. Built to 95.0 ins. in 30 mins. k. ns. Built to 73.0 ins. in 30 mins.	
REMARKS:		
Tool Sample: 0% Gas 0	% Oil 100% Water 0% Mud	
Chlorides: 11,000 ppm		
Below Straddle Recorder		
2000		140
1500	m	120
1000		100 Temp
500	1 miles	80
0		60
0 hrs	ଞ୍ଚୁ ଚ Time (Hrs)	
	— Press(Psig) — Temp(F)	

A STAND	MON	
res	EING WW	
additte		

Operation:

Test Complete

Company: Castle Resources,

/ Inc

DST #1

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1687 EGL Field Name: Geneseo-Edward Pool: Infield Job Number: 740 API #: 15-053-21397

DATE	
July	
12	
2024	

 Formation: Arbuckle
 Test Interval: 3178 -3200'
 Total Depth: 3332'

 Time On: 19:50 07/12
 Time Off: 02:07 07/13

Time On Bottom: 21:50 07/12 Time Off Bottom: 23:50 07/12

Down Hole Makeup

Heads Up:	27.07 FT	Packer 1:	3172.5 FT
Drill Pipe:	3178.91 FT	Packer 2:	3178 FT
ID-3 1/2		Packer 3:	3200 FT
Weight Pipe: ID-2 7/8	FT	Top Recorder:	3164 FT
Collars:	FT	Bottom Recorder:	3222 FT
ID-2 1/4		Below Straddle Recorder:	3319 FT
Test Tool:	27.16 FT	Well Bore Size:	7 7/8
ID-3 1/2-FH		Surface Choke:	1"
Total Anchor:	22	Bottom Choke:	5/8"
<u>Anchor</u> Packer Sub:	<u>Makeup</u> 1 FT		
Perforations: (top):	21 FT		
4 1/2-FH	21 1 1		
Change Over:	FT		
Drill Pipe: (in anchor): ID-3 1/2	FT		
Change Over:	FT		
Perforations: (below): 4 1/2-FH	FT		
	DDLE		
Straddle Packer(s):	1 FT		
Change Over:	.5 FT		
Drill Pipe: ID-3 1/2"	95 FT		
Change Over:	.5 FT		
Perforations (in tail pipe): 4 1/2-FH	14 FT		

Operation: Test Complete	Inc	Castle Res	sources,	Cou Stat Drilli Drilli Elev Field Poo Job	2: 9 TWN: 17S RNG: 8W nty: ELLSWORTH e: Kansas ing Contractor: White Knight ing, LLC - Rig 1 vation: 1687 EGL d Name: Geneseo-Edward l: Infield Number: 740 #: 15-053-21397
DATE July	DST #1	Formation: Arbuckle	Test Interval: 317 3200'	8 -	Total Depth: 3332'
12	Time	On: 19:50 07/12	Time Off: 02:07 ()7/13	
2024	Time	On Bottom: 21:50 07	/12 Time Off Bottom	23:5	0 07/12
L		Mud Pron	erties		

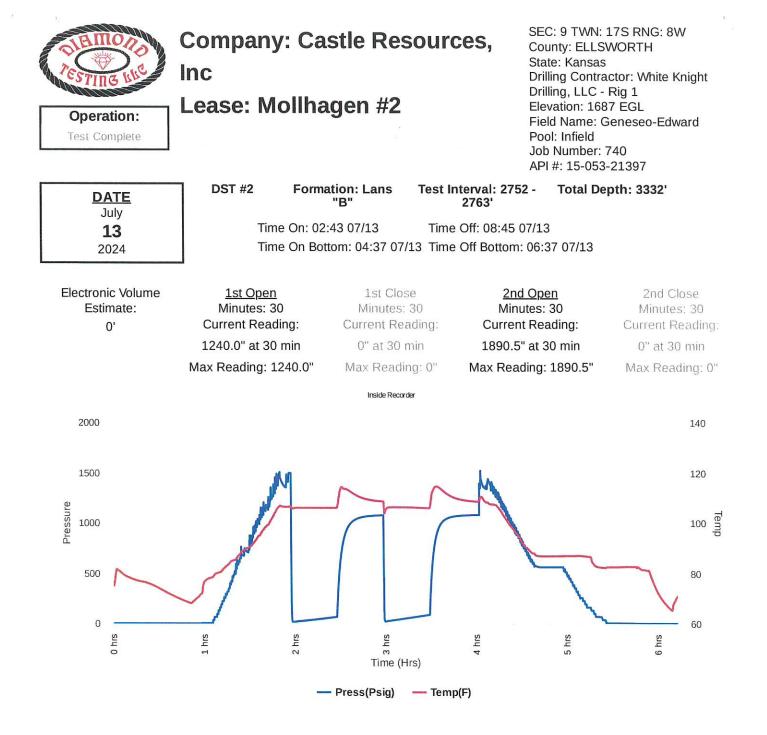
Mud Properties

Mud Type: Chemical Weight: 9.3

Viscosity: 52

Filtrate: 10.0

Chlorides: 8,000 ppm



resting the	Inc	: Castle Ro		9 Cou Stat Drill Drill Elev Fiel Poo Job	C: 9 TWN: 17S R inty: ELLSWORT te: Kansas ling Contractor: N ling, LLC - Rig 1 vation: 1687 EGI d Name: Genese ol: Infield Number: 740 #: 15-053-2139	ΓΗ White Knight L eo-Edward
DATE	DST #2	Formation: Lans "B"	Test Interva 2763		Total Depth: 3	3332'
July 13 2024		e On: 02:43 07/13 e On Bottom: 04:37		08:45 07/13 ottom: 06:3		
Recovered			100-011 - 600 -01			or 12 - Withouts
<u>Foot</u> <u>BBLS</u> 15 0.2134		i <u>ption of Fluid</u> SLWCM	<u>Gas %</u> 0	<u>Oil %</u> 0	<u>Water %</u> 8	<u>Mud %</u> 92
Total Recovered: 15 Total Barrels Recov	575 To.	Reversed Out NO	0.2	Recove	ry at a glance	
Initial Hydrostatic Pres	sure 1493	PSI				
Initial	Flow 17 to 6	6 PSI				
Initial Closed in Pres	sure 1075	PSI				the second
Final Flow Pres	sure 22 to 8	6 PSI				
Final Closed in Pres	sure 1079	PSI	0			
Final Hydrostatic Pres	sure 1391	PSI			Recove	ery
Tempera	ature 115	°F		Gas 0%	Oil Oil Wa 0% 8%	
Pressure Change Close / Final C		%	GIP cubic foot ve	olume: 0	umum 800807	

Operation: Test Complete	Inc	/: Castle Res ollhagen #2	SOURCES, Co St Dr Dr El Fi Pc Jo	EC: 9 TWN: 17S RNG: 8 bunty: ELLSWORTH ate: Kansas illing Contractor: White F illing, LLC - Rig 1 evation: 1687 EGL eld Name: Geneseo-Edv pol: Infield b Number: 740 Pl #: 15-053-21397	Knight
DATE	DST #2	Formation: Lans "B"	Test Interval: 2752 - 2763'	Total Depth: 3332'	
July 13	Tim	e On: 02:43 07/13	Time Off: 08:45 07/1	.3	
2024			/13 Time Off Bottom: 06		
1st Open: BOB in 2 sec: 1st Close: No blow back 2nd Open: BOB in 1 sec 2nd Close: No blow bac REMARKS: Tool Sample: 0% Gas 0 Below Straddle Recorder	c. c. Built to 1890.0 in: k.	s. in 30 mins.			
2000					140
1500 بو	1	M	M		120
9 1000 9 1000	alund	V			100 Ion
500	-1		L.		80
0 8 0		ဋ က Time (H	Hrs)	6 hrs	- 60

- Press(Psig) - Temp(F)

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CSTING KUC	

Company: Castle Resources, Inc

Lease: Mollhagen #2

Operation: Test Complete

DATE July 13 2024

County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1687 EGL Field Name: Geneseo-Edward Pool: Infield Job Number: 740 API #: 15-053-21397

Total Depth: 3332'

SEC: 9 TWN: 17S RNG: 8W

DST #2 Formation: Lans Test Interval: 2752 -"B" Time On: 02:43 07/13

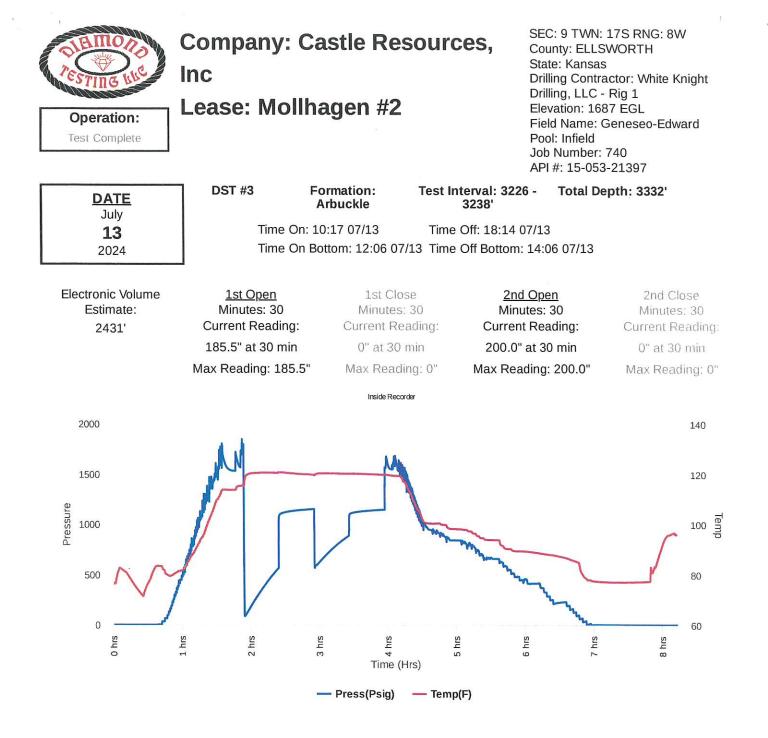
2763' Time Off: 08:45 07/13

Time On Bottom: 04:37 07/13 Time Off Bottom: 06:37 07/13

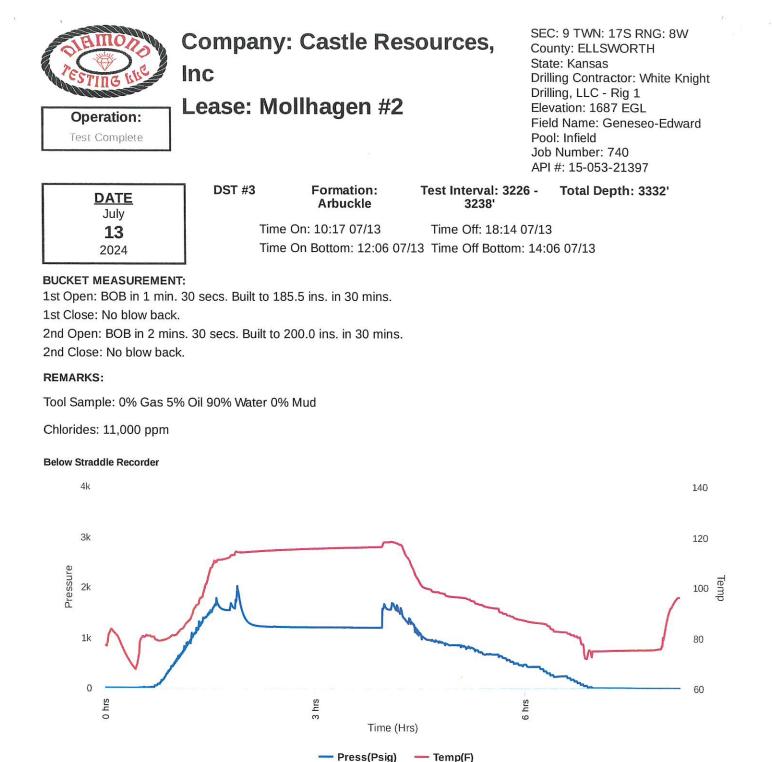
Down Hole Makeup

Heads Up:	21.07 FT	Packer 1:	2746.5 FT
Drill Pipe:	2746.91 FT	Packer 2:	2752 FT
ID-3 1/2		Packer 3:	2763 FT
Weight Pipe: ID-2 7/8	FT	Top Recorder:	2738 FT
Collars:	FT	Bottom Recorder:	2774 FT
ID-2 1/4		Below Straddle Recorder:	3314 FT
Test Tool:	27.16 FT	Well Bore Size:	7 7/8
ID-3 1/2-FH		Surface Choke:	1"
Total Anchor:	11	Bottom Choke:	5/8"
Anchor Packer Sub:	<u>Makeup</u> 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		
<u>STRA</u> Straddle Packer(s):	1 FT		
Change Over:	.5 FT		
Drill Pipe: ID-3 1/2"	539 FT		
Change Over:	.5 FT		
Perforations (in tail pipe): 4 1/2-FH	19 FT		

Operation: Test Complete	Inc	: Castle Res ollhagen #2	ources,	SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1687 EGL Field Name: Geneseo-Edward Pool: Infield Job Number: 740 API #: 15-053-21397
DATE July	DST #2	Formation: Lans "B"	Test Interval: 2752 2763'	- Total Depth: 3332'
13 2024		On: 02:43 07/13 On Bottom: 04:37 07/2	Time Off: 08:45 07	
2024				0.01 01110
		Mud Prope	erties	
Mud Type: Chemical	Weight: 9.3	Viscosity: 52	Filtrate: 10.0	Chlorides: 8,000 ppm



Operation Test Comple		nc	v: Castle R ollhagen #		S, Cou Stat Drill Drill Elev Fiel Poo Job	C: 9 TWN: 17S R Inty: ELLSWORT ing Contractor: V ing, LLC - Rig 1 vation: 1687 EGL d Name: Genese dl: Infield Number: 740 #: 15-053-2139	"H White Knight - eo-Edward
DATE		DST #3	Formation: Arbuckle		rval: 3226 - 238'	Total Depth: 3	332'
July 13		Time	e On: 10:17 07/13	Time Of	f: 18:14 07/13		
13 2024			e On Bottom: 12:06				
Reco ^v	vered						
Foot	BBLS	Descr	ription of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	Mud %
100	1.423	SL	OCSLMCW	0	5	90	5
1800	25.614		W	0	0	100	0
Total Recove Total Barrels			Reversed Out NO	1	Recove	ry at a glance	
Total Barrels	Recover	red: 27.037	NO	1 20	Recove	ry at a glance	
	Recover	red: 27.037 ure 1795	NO	20	Recove	ry at a glance	
Total Barrels	Recover tatic Presso Initial Fl	red: 27.037 ure 1795 low 94 to 5	NO PSI 66 PSI		Recove	ry at a glance	
Total Barrels Initial Hydrost Initial Closed	Recover tatic Presso Initial Fl	red: 27.037 ure 1795 low 94 to 5 ure 1151	NO PSI 66 PSI PSI	20 788	Recove	ry at a glance	
Total Barrels Initial Hydrost Initial Closed	Recover tatic Press Initial Fl d in Press	red: 27.037 ure 1795 low 94 to 5 ure 1151 ure 574 to 8	NO PSI 66 PSI 888 PSI	20 ਸ਼ੁੱਛ 10	Recove	ry at a glance	
Total Barrels Initial Hydrost Initial Closed Final F	Recover tatic Presso Initial Fl d in Presso Flow Presso d in Presso	red: 27.037 ure 1795 low 94 to 5 ure 1151 ure 574 to 8 ure 1146	NO PSI 66 PSI 988 PSI 988 PSI 988 PSI	20 788	Recover	ry at a glance	ry
Total Barrels Initial Hydrost Initial Closed Final F Final Closed	Recover tatic Presso Initial Fl d in Presso Flow Presso d in Presso	red: 27.037 ure 1795 low 94 to 5 ure 1151 ure 574 to 8 ure 1146 ure 1676	NO PSI 66 PSI 988 PSI 988 PSI 988 PSI	20 ਸ਼ੁੱਛ 10	Recover	Recove	ter 🔍 Mud
Total Barrels Initial Hydrost Initial Closed Final F Final Closed Final Hydrost	Recover tatic Press Initial Fl d in Press Flow Press d in Press tatic Press	red: 27.037 ure 1795 low 94 to 5 ure 1151 ure 574 to 8 ure 1146 ure 1676 ure 121	NO PSI 66 PSI 988 PSI 988 PSI 988 PSI 988 PSI 981	20 ਸ਼ੁੱਛ 10	Gas	Recove	ter 🔍 Mud





Operation:

Test Complete

Company: Castle Resources,

Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1687 EGL Field Name: Geneseo-Edward Pool: Infield Job Number: 740 API #: 15-053-21397

DATE	
July	
13	
2024	

DST #3 Formation: Test Interval: 3226 - Total Depth: 3332' Time On: 10:17 07/13 Time Off: 18:14 07/13 Time On Bottom: 12:06 07/13 Time Off Bottom: 14:06 07/13

Down Hole Makeup

Heads Up:	23.07 FT Packer 1 :		3220.5 FT		
Drill Pipe:	3222.91 FT	Packer 2:	3226 FT		
ID-3 1/2		Packer 3:	3238 FT		
Weight Pipe: ID-2 7/8	FT	Top Recorder:	3212 FT		
Collars:	FT	Bottom Recorder:	3248 FT		
ID-2 1/4		Below Straddle Recorder:	3313 FT		
Test Tool:	27.16 FT	Well Bore Size:	7 7/8		
ID-3 1/2-FH		Surface Choke:	1"		
Total Anchor:	12	Bottom Choke:	5/8"		
<u>Anchor</u> Packer Sub:	<u>Makeup</u> 1 FT				
Perforations: (top): 4 1/2-FH	11 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:	.5 FT				
Drill Pipe: ID-3 1/2"	63 FT				
Change Over:	.5 FT				
Perforations (in tail pipe): 4 1/2-FH	20 FT				

Operation: Test Complete	Company: Inc Lease: Mo	Castle Res	,	SEC: 9 TWN: 17S RNG: 8W County: ELLSWORTH State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 1687 EGL Field Name: Geneseo-Edward Pool: Infield Job Number: 740 API #: 15-053-21397	t				
DATE July	DST #3	Formation: Arbuckle	Test Interval: 322 3238'	6 - Total Depth: 3332'					
13		On: 10:17 07/13	Time Off: 18:14 0						
2024	Time	On Bottom: 12:06 07	/13 Time Off Bottom:	: 14:06 07/13					
Mud Properties									

Mud Type: Chemical Weight: 9.3

Viscosity: 30

Filtrate: 10.0

Chlorides: 8,000 ppm

RTD. ARB. BKC. GEOLOGICAL SUPERVISION FROM 2500 SPUD 7-8-24 GEOLOGIST ON WELL DRILING TIME KEPT FROM 2500" MUD UP 2500 **LKC** SAMPLES EXAMINED FROM 2500 SAMPLES SAVED FROM 870 3330 CONTRACTOR WHITE KNIGHT DRLG. COUNTY ELLSWORTH STATE KS. JUCATION 950 FNL 4260 FEL COMPANYCASTLE RESOURCES INC HEEBNER EASE MOLLHAGEN #2 FORMATION TOPS han m 9 CONSULTING GEOLOGIST えた 371 dSM Ó 3147-1455 3070' -1378 3734-1042 3332-1640 2598-906 COMP 7-13-24 engen AS 2500' 3332' m m TYPE MUD CHEM ス 而 つ ス ー 2 3330-1638 3732-1040 2598-906 3056-1364 3144-1452 **W**8 SANPLES DRILLING TIME AND SAMPLE LOG PHONE: 785-625-5155 4350 Keystone Rd HAYS, KS 67601 CASIN 0223 Measurements TD TD. TO TD. FOR 6 1687 K8 1692 PRODUCTION STACK/MICRO ETCHCAL SURVEYS S KOLVAL KB Mr @ noren Ester societat societat REMARKS high structurally This well was the 97 Grobous cion Like top. Dore Sint or collapsed 10 Q Cave Commed ciel 5.00 usable production Becault sege 40 eve. Posialon the L-KC uctural would suggest a4 T divet Arbackk was probably at the . , 45 the Small respectfully extent sub mister avreel LEGEND 23 DRILLING TIME LTHOM DGY 141.424 SAMPLE DESCRIPTIONS REMARKS 2500 2550' HEEBNER 2598-906 2600* Black shale 2640 Los OFFLA-TN FX barren Barren Green Gray + Rd shole Abundant Green 2650' Micárcous SS Silvy barren 2700 .5 LMS OFFWA- TN KC.3732-1040 Cherty F& barren 11 ~ / 1.14 A 2750 LMS OFFILL-TN-brown \overline{V} Fy oblic + oblight DST #2 M. Adee st MFO insert toolic Por 2763-2774 1 B Zone tested : B Testing Times . 36-30-30-50 Blow. Strong LMS who offut Rec: 2800 C Gas to sur Face Chalky-FM FX barren 8 minares Rec 15'GM P FP: 17-66 22-86 518 1675 1079 E (Manager and Party and Par P 1 2850' ÷ 6 2900 -15 345 10 10 H **~ ~** -J 2950 LMS Golic Fy offul barren 345 Trace of Luce St. 3000 2 K Lms when the VMED ۲ +st intert for 3050' BKC. 3056-1364 BK Rd + black + Varied sh inve inc 3100 SS Greenish Cast Fgr-Mgr ARB. 3144-1452 3 3150 Dol Weath FX UM 2 40 FO 1ST 3 Dol F- MX m. Adel. 6 Fo st + odor ss Greenish - Rd + Gr 5 2 6 0 Sh Pyrite 8 Dol m X M. Adeg FO 7 +st inter & stoder 9 8 PST#1 3200'

