KOLAR Document ID: 1620851

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW ☐ 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:	<u>'</u>
☐ 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 #:
Caud Data on Data Dasahad TD Overslation Data	Quarter Sec TwpS. R
Spud Date or Date Reached TD Completion Date or 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 Approved by: Date:					

KOLAR Document ID: 1620851

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Castle Resources, Inc.
Well Name	LATTIN 1
Doc ID	1620851

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	24	272	com		3%CC 2%Gel
Production	7.88	4.5	11.5	3135	com	125	common



Prepared For: Castle Resources

PO Box 583 Russell KS 67665

ATTN: Jerry Green

Lattin #1

3-10s-13w Osborne,KS

Start Date: 2022.02.17 @ 20:30:00 End Date: 2022.02.18 @ 06:41:15 Job Ticket #: 59478 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



Castle Resources

3-10s-13w Osborne, KS

PO Box 583 Russell KS 67665

Lattin #1

Tester:

Unit No:

Job Ticket: 59478

75

ATTN: Jerry Green

Test Start: 2022.02.17 @ 20:30:00

Terry Wickham

DST#: 1

1671.00 ft (CF)

GENERAL INFORMATION:

Formation: LKC A-C

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

Time Tool Opened: 00:22:45 Time Test Ended: 06:41:15

Interval: 2921.00 ft (KB) To 2993.00 ft (KB) (TVD) Reference Elevations: 1675.00 ft (KB)

Total Depth: 3001.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 4.00 ft

Serial #: 8368 Inside

Press@RunDepth: 2927.00 ft (KB) Capacity: 48.67 psig @ 8000.00 psig

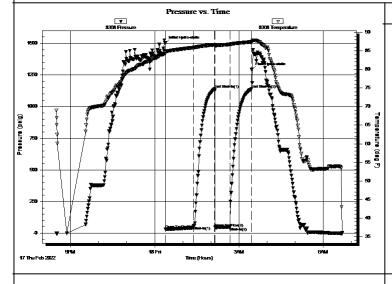
Start Date: 2022.02.17 End Date: 2022.02.18 Last Calib.: 2022.02.18 Start Time: 20:30:05 End Time: 06:41:15 Time On Btm: 2022.02.18 @ 00:22:30 2022.02.18 @ 03:27:30 Time Off Btm:

TEST COMMENT: IF 60 Weak blow

ISI 30 No return

FF 45 Weak blow died in 15 min

FSI 45 No return



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1499.86	84.77	Initial Hydro-static
1	31.51	84.26	Open To Flow (1)
61	56.10	85.90	Shut-In(1)
106	1138.19	86.65	End Shut-In(1)
107	45.71	86.38	Open To Flow (2)
139	48.67	86.76	Shut-In(2)
185	1138.97	87.42	End Shut-In(2)
185	1291.61	87.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MUD	2950.70

Gas Rates

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

Trilobite Testing, Inc Ref. No: 59478 Printed: 2022.02.21 @ 11:23:21



Castle Resources

3-10s-13w Osborne,KS

PO Box 583 Russell KS 67665 Lattin #1

Job Ticket: 59478

Unit No:

DST#: 1

ATTN: Jerry Green

Test Start: 2022.02.17 @ 20:30:00

GENERAL INFORMATION:

Formation: LKC A - C

Deviated: No Whipstock: ft (KB) Test Type:

Time Tool Opened: 00:22:45 Time Test Ended: 06:41:15

Interval: 2921.00 ft (KB) To 2993.00 ft (KB) (TVD)

Total Depth: 3001.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Test Type: Conventional Bottom Hole (Initial)
Tester: Terry Wickham

75

Reference Elevations: 1675.00 ft (KB)

1671.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8320 Inside

 Press@RunDepth:
 psig
 @
 2927.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2022.02.17 End Date: 2022.02.18 Last Calib.: 2022.02.18

Start Time: 20:30:05 End Time: 06:56:45 Time On Btm:

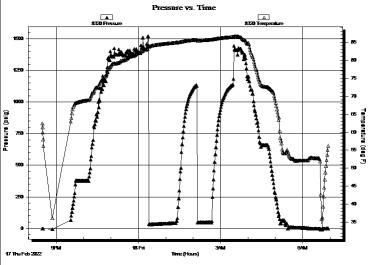
Time Off Btm:

TEST COMMENT: IF 60 Weak blow

ISI 30 No return

FF 45 Weak blow died in 15 min

FSI 45 No return



PRESSURE SUMMARY

Ī	Time	Pressure	Temp	Annotation
i	(Min.)	(psig)	(deg F)	
'				
•				
mpera				
Temperature (deg F)				
3				
ı				
;				

Recovery

Description	Volume (bbl)
MUD	2950.70
	·

Gas Rates

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

Trilobite Testing, Inc Ref. No: 59478 Printed: 2022.02.21 @ 11:23:22



TOOL DIAGRAM

DST#: 1

Castle Resources

3-10s-13w Osborne, KS

PO Box 583

Lattin #1

Russell KS 67665

Job Ticket: 59478

ATTN: Jerry Green

Test Start: 2022.02.17 @ 20:30:00

String Weight: Initial 45000.00 lb

Final 45000.00 lb

Tool Information

Drill Pipe: Length: 2794.00 ft Diameter: 3.82 inches Volume: 39.61 bbl Tool Weight: 2500.00 lb - bbl inches Volume: Heavy Wt. Pipe: Length: Weight set on Packer: 25000.00 lb ft Diameter: Drill Collar: Length: 121.00 ft Diameter: 225.00 inches Volume: 5950.58 bbl Weight to Pull Loose: 55000.00 lb Total Volume: Tool Chased 13.00 ft

Drill Pipe Above KB: 13.00 ft

Depth to Top Packer: 2921.00 ft

Depth to Bottom Packer: ft
Interval between Packers: 72.00 ft
Tool Length: 91.00 ft

Number of Packers: 2 Diameter: 6.88 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			2907.00		
Jars	5.00			2912.00		
Packer	5.00			2917.00	19.00	Bottom Of Top Packer
Packer	4.00			2921.00		
Stubb	1.00			2922.00		
Perforations	4.00			2926.00		
Change Over Sub	1.00			2927.00		
Recorder	0.00	8368	Inside	2927.00		
Recorder	0.00	8320	Inside	2927.00		
Drill Pipe	62.00			2989.00		
Change Over Sub	1.00			2990.00		
Bullnose	3.00			2993.00	72.00	Bottom Packers & Anchor

Total Tool Length: 91.00

Trilobite Testing, Inc Ref. No: 59478 Printed: 2022.02.21 @ 11:23:22



FLUID SUMMARY

Castle Resources

3-10s-13w Osborne, KS

PO Box 583

Lattin #1

Russell KS 67665

Job Ticket: 59478

Serial #:

DST#: 1

ATTN: Jerry Green

Test Start: 2022.02.17 @ 20:30:00

Mud and Cushion Information

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

Viscosity: 44.00 sec/qt Cushion Volume: bbl

Water Loss: 15.99 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 12000.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl		
60.00	MUD	2950.702		

Total Length: 60.00 ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments: lcm-trace

Trilobite Testing, Inc Ref. No: 59478 Printed: 2022.02.21 @ 11:23:22

80

75

85

90

35

40

45

50

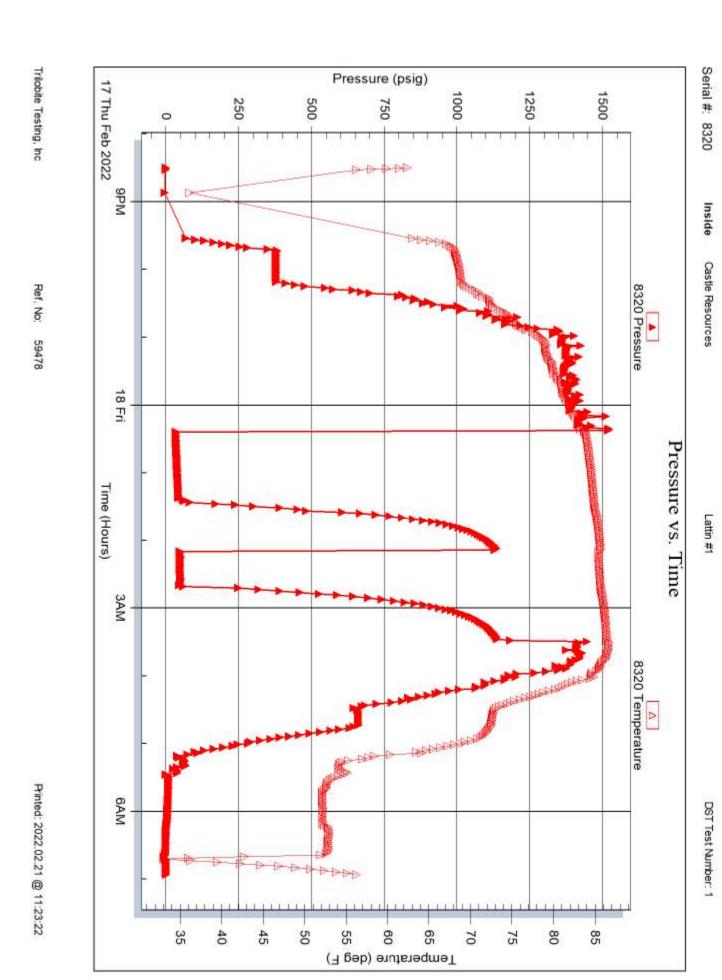
55

60

Temperature (deg F)

65

70





RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59478

4/10					
Well Name & No. Latin #		Test No	1	Date 2-17	-22
Company Castle Resours	ccla	Elevation		KB	GL
Address P. 0. 304 5%	33 RUS	sell oKS	6760	5	
	een	Rig			
Location: Sec. 3 Twp.	Rge. 130	0 co. 05	borne	State	5_
Interval Tested 2921 - 2993	Zone Teste	a Lansing	A -		
Anchor Length 72	Drill Pipe R	un 2794	Mı	ud Wt. 9.2	
Top Packer Depth 2916	Drill Collars	Run 121	Vis	, 44	
Bottom Packer Depth 242	Wt. Pipe Ri	527	W	16	-
Total Depth 2993	Chlorides	IN MA	pm System LC	Trace	
Blow Description IF - LOO Min	- Wear	~ 11			
THE SHE NA	in- No hi	e turn.			
EX- DAMIN	- Week i	Shu Oled	INISA	1;N	
FST-45M	n-Nov	ieturn		, , ,	
Rec UD Feet of MV		%gas	%oil	%water \cu	○ %mud
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 BHT	Gravity	API RW	_@°F C	hlorides	ppm
(A) Initial Hydrostatic 1400	5 Test	1300		tion 4:15 }	PM
(B) First Initial Flow 31	Jars	***************************************	T-Started	8:30	
(C) First Final Flow 54		t	T-Open	12:,25	
(D) Initial Shut-In 1129	Kirc Sub _		T-Pulled _		
(E) Second Initial Flow	□ Hourly Star		T-Out	7:00	
(F) Second Final Flow	Mileage_	1	Comments	s	
(G) Final Shut-In	Sampler_	1	-19-22	11	
(H) Final Hydrostatic \\2\(\lambda\)	Straddle	46x2		d Shale Packer	
		er		d Packer	
Initial Open U C		er		Copies	
Initial Shut-In 45		rder	- LANG		
Final Flow 30					
Final Shut-In		у	MP/DST		
	Sub Total 1	530		40	9.11
Approved By	araccostic (fativitatio	Our Representative	Terry	ways, h	~



TREATMENT REPORT

Acid Stage No.

2000					Tyne Tr	eatment; A	Amt.	Type Fluid	Sand Size	Poun	ds of Sand		
Date 2	/13/2022	District GB	F.O. 1	No. 50534	Bkdov								
-	Cassel Resou												
•	& No. Lattin #					*****							
Location		·····	Field			w··					·		
County	Osbourne				Flush		Bbl./Gal.	Bbl./Gal. Bbl./Gal.					
					Treate	d from	f	t. to	ft.	No. ft.	0		
Casing:	5iże 8 5/8	3" Type & Wt.		Set at				t. to		No. ft.	0		
Formation		·	Perf.	to		from		t. to	ft.	No. ft.	0		
Formation	:		Perf.	to	Actual	Valume of Oil /	Water to Load Ho				Bbl./Gal.		
Formation			Perf.	to							; **** * ; *** *******		
Liner: Si	ze Type	& Wt	Top at ft.	Bottom at	ft. Pump	Trucks. No. I	Jsed: Std.	365 Sp.	•	Twin			
. (emented: Yes	Perforated	rom	ft. to	ft. Auxilia:		MO-VP-ANDA		327				
Tubing:	Size & Wt.		Swung at		ft. Person	nel Nathan Jo		·····					
<u>. </u>	Perforated	from	ft. to		ft. Auxilia								
, , , , , , , , , , , , , , , , , , , 					Pluggir	ng or Sealing Ma	terials: Type						
Open Hole	: Size	T.D.	ft. F	.B. to	ft.		*` -		Gal	i.	lb.		
										A CONTRACTOR OF THE PARTY OF TH			
Company	Representative		Jerry (3.	Tr	eater		Nath	nan W.				
TIME		SSURES							***************************************				
a.m./p.m.	Tubing	Casing	Total Fluid Pumped				REMAR	K\$					
1:30		8 5/8"		On Location	•				en a tala de la casa d La casa de la casa de	• * <u>***************</u>			
									<u> </u>				
	<u> </u>			Hole-372'	· _ · · · · · · · · · · · · · · · · · ·								
				Pipe-369'						· · · · · · · · · · · · · · · · · · ·			
				Fipe-309									
			1	Drook siverile		I							
		<u> </u>	1	Break circula	ation wit	n pump.							
	· · · · · · · · · · · · · · · · · · ·		-					<u> </u>					
	·			Mix 225sks (Mix 225sks Common 3% Calcium Chloride.								
								·					
				Displace wit	h 20.5bb	ls at 5bpr	n-300# Ci	rculated c	ement to	surface	•		
				Shut in.						1			
					·								
	, , , , , , , , , , , , , , , , , , , ,												
				Thank You!									
	'			Nathan W.									
													
									· · · · · · · · · · · · · · · · · · ·		·		
			<u> </u>				 	 			 		
			 										
			1										
1		}		1									



TREATMENT REPORT

Acid Stage No.

					Type Treatment:	Amt.	Type Fluid	Sand Size	Pour	nds of Sand
Date2	/19/2022	District GB	F.O. 1	lo. <u>50538</u>	Bkdown					
Company	Cassel Resor	ırces								W
Well Nam	& No. Lattin	#1				8bl./Gal.				
Location	·		Field			Bbl./Gal.				
County	Osbourne		State KS		Flush	Bbl./Gal.			-	
					Treated from		ft. to	. ft.	No. ft.	0
Casing:	Size 4.5	Type & Wt.		Set atft.	from		_ft. to	ft.	No. ft.	0
Formation	;		Perf.	to	from		ft. to	ft.	No. ft.	0
Formation	:		Perf.	to	Actual Volume of Oil	/ Water to Load I	fole:			Bbl./Gal.
Formation	:		Perf.	to						*****
Liner: Si	zeType	& Wt			Pump Trucks. No	. Used: Std.	365 sp.		Twin	
			rom	ft. toft.	Auxiliary Equipment			327		
Tubing:	Size & Wt.		Swung at	ft.	Personnei Nathan	Joe Greg				
	Perforated	from	ft, to	ft.	Auxiliary Tools					
					Plugging or Sealing M	faterials: Type				
Open Hole	Size .	T.D.	ft. P	B. toft.				Gal	š.	lb,
	Representative		Jerry 0	i.	Treater		Nat	than W.	100000000000000000000000000000000000000	
TIME a.m./p.m.	PRE Tubing	SSURES Casing	Total Fluid Pumped			REMA	.RKS			
9:00	. Indust	4.5"		On Location.						
5.00		14.0		On Location.					·	
		 		Pipe-3174'	Cant	tualinaus 1	2.5			
				Baffle-3146'	cem	tralizers-1	,3,5			
				Daille-2140						
·	·····	 		Prople oinquistine			1) (0			
		 	<u> </u>	Break circulation	i with mud p	ump. Lirc	ulate for 3	0 minutes	<u>. </u>	
		<u> </u>				· · · · · · · · · · · · · · · · · · ·	······································			
				Pump 600gal of	Mud Flush.	· · · · · · · · · · · · · · · · · · ·	7-1			
				mi m . 1 . 2			T			
		 		Plug Rat Hole wi	tn Busks.			····		
		<u> </u>		Miv 150-t C	ma m m = 4.30/ C - 1	+ F0/ C C=	E0/ 0 45	ED / 2		
		 		Mix 150sks Com	mon 12% Sal	τ.5% C-37	.5%C-12	.5% C41p	5#/sk (ilsonite.
-				at 15#/gal.	i,					T 4 1
	··.			Displace with F4	hhla at Char	י בסטיי הי	{1 _ }	+ 4000:		
	<u></u>	-		Displace with 51bbls at 6bpm-500# Plug landed at 1000# Release pressure. Float held.						
				nelease pressure	e. Float held.					
	·	-							·	
		 	<u> </u>	~I		 _	····			
		ļ		Thank You!						
		1		Nathan W.						
		į	l	-						

