KOLAR Document ID: 1599515

Confident	tiality Re	equested:
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	- DESCRIPT	ION OF WEL	L & LEASE

OPERATOR: License #	API No.:
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:	
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane) 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:	
Well Name:	
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to EOR Conv.	
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Operator Name:
GSW Permit #:	License #:
	Quarter Sec TwpS. R [] East [] West
Spud Date or Date Reached TD Completion Date	ite 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 III Approved by: Date:				

KOLAR Document ID: 1599515

Operator Nam	ne:			Lease Name:	Well #:
Sec	Twp	S. 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	eets)	Y	es 🗌 No			og Formatio	n (Top), Depth	and Datum	Sample
Samples Sent to Geolog	*		és 🗌 No	Ν	lame	e		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:			ies No ies No ies No						
		Repo	CASING I] Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled		ze Casing tt (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Туре	/pe of Cement # Sacks		k		Type and Percent Additives		
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the is Was the hydraulic fractu Date of first Production/Inj 	total base fluid of the h ring treatment informa	nydraulic fra tion submit	acturing treatment	al disclosure regis	-	Yes Yes Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Injection:			Flowing	Pumping		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITION	I OF GAS:		M	ETHOD OF COM	IPLE	TION:			ON INTERVAL:
Vented Sold (If vented, Subm	Used on Lease		Open Hole		-		mingled	Тор	Bottom
	oration Perfora Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	HERROLD 11
Doc ID	1599515

All Electric Logs Run

Micro Resistivity
Compensated Density Neutron
Dual Induction
Cement Bond

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	HERROLD 11
Doc ID	1599515

Tops

Name	Тор	Datum
Anhydrite	1645'	(+540)
Topeka	3200'	(-1015)
Heebner	3402'	(-1217)
Toronto	3431'	(-1246)
Lansing	3446'	(-1261)
Base/KC	3670'	(-1485)
Arbuckle	3746'	(-1561)
L.T.D.	3827'	(-1642)

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	HERROLD 11
Doc ID	1599515

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	222	Common		3% C.C., 2% gel
Production	7.875	5.50	15.5	3827	SMD	130	0

JOB L	₿G					SWIF	T Seri	uices. Inc.	DATE PAGE 1	NO.
OUSTON	IER 10 FA	c.a. c.a	WELL NO,	/			2ROID		8-5-2/ TICKET NO.	
CHART	TIME	RATE	VOLUME		MPS	PRESSL	<u>ZRO/S</u> IRE (PSI)	Shruow a	TICKET NO. SUR, 35187	
<u>NO.</u>		(BPM)	(BBL) (GAL)	T	C	TUBING	CASING		PERATION AND MATERIALS	
	9153	<u>10</u>		<u> </u>				ON LOLAT	07	
<u> </u>										
								85/2 059		
					-			Rro - 222 Pipe - 221.75	······································	
								Tipe - 221.75	teren ^{en}	
									······································	
	1545				<u> </u>			STARY CSG		
								BRIAK CIRC	100-10-10-10-10-10-10-10-10-10-10-10-10-	
			5			300		pump with	SPALER	
		5 5 5	36			300		pump CMT-(150 SK) C. 14. 2 ""	7
	1630	<u> </u>	13			300		Disp	50 5x c 14. 2 "	
	16-50							shur in		
								CICCULATED - 3	O SK CMT	
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<u></u>								TOB Complet	<u> </u>	
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JOB LC	G					SWIF	T Seri	Lices. Inc. DATE PAGE NO. 8-11-21
CUSTOM		·····	WELL NO.			LEASE		JOB-TYPE TICKET NO.
	OFATA		#11		100	Herro		(LONG STRING) 35192
CHART NO.	TIME	RATE (8PM)	VOLUME (BBL) (GAL)	PUI T	MPS C	PRESSU TUBING	IRE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	730							ON IDCATION
								ON TOTAFTON
u.ı					<u> </u>			3
						<u> </u>		Rtp- 3328
								CENTRALIZERS - 1,3,5,7,9,11, 54
								BASKET - 55
								Limit Clamp - 55. 15' up
								PORT COLLAR - 55 (1628)
								1021 (DIIAR) - 55 (C 1628)
	930							
		+						START RUMINIG CSg
<u></u>	1100							BREAK CIRC SON BITM
	1130	2.5	8		L	0		Plug Rox Hole - 30 5x
		2.5	4			0		Plug mouse Hole - 15 sx
		5	12			200		Aline a liter a liter a liter a
			20			200		pump MUSFILSH - 500 Con
		4~				200		Pump Ker SPARER
		1.5	32		<u> </u>	~00)		(PUMP - CMT - 130 SX) FA-2 C15.5
·								Drop plug - WASH PAL
		6.5	0			200		START DISP
	1220	5.5	90			700		LAND Plug C 1500 #
								27708 r rug = 1380 P
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<u> </u>				·····				Release Psi - Dry
								Tors Complete
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w.	········							Thanks
								Davis, ZACH & ISMAR
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 $C_{i}^{(n)}$

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-1071

Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2416

\mathcal{C}	Sec.	Twp.	Range		County	State	On Location	Finish	
Date 8-26-2/	25	10	4/	1	Raham	KS		9.30 AM	N
		Г		Locati	on <u>Churc</u>	hof God 5.	SIE		
Lease HERRald	, 1	·	Well No. //		Owner	ihuali Oanaatiaa taa			_
Contractor APS					You are here	ilwell Cementing, Inc.	cementing equipmen	t and furnish	
Type Job PORtcolle	r					d helper to assist owr		o work as listed.	
Hole Size		T.D.			Charge J	<u>O. FARMEI</u>	۲		
<u>Csg. \$5</u>		Depth			Street		·····		
Tbg. Size 2-3		Depth			City	<u></u>	State	<u></u>	
Tool		Depth			The above wa	s done to satisfaction ar	nd supervision of owner	agent or contract	or.
Cement Left in Csg.		Shoe J	oint		Cement Amo	ount Ordered	3504 31	20 QmDC	ia
Meas Line		Displac	е		-Ombe-	······································	Gricel		
	EQUIPM	IENT	<i></i>		Common 32	00 % a Amp	c 1/4'		
Pumptrk 17 No. Ceme Helpe	r		Dill		Pozetvij		F		
Bulktrk No. Driver			CRAIG		Gel. 6				
Bulktrk 21 ^{No. Driver}			Duke.		Calcium				
JOB SE	RVICES	& REMA	RKS		Hulls				
Remarks:					Salt				
Rat Hole					Flowseal	995 /00#			
Mouse Hole					Kol-Seal	· · · · · ·			
Centralizers					Mud CLR 48	3			
Baskets					CFL-117 or (CD110 CAF 38			
D/V or Port Collar					Sand				
PORt coller)				Handling 3	50			
ESF CIRC,					Mileage				
pump baj c	el a	chea	1			FLOAT EQUIPM	ENT		
(Cent w/ 300	2A)	in an			Guide Shoe		· 2003년 1988년 1987년 1987년 1987년 1987년 1987		
					Centralizer				
Cent did	Ci	nc			Baskets	<u></u>			,
	<u>.</u>		- Contraction		AFU Inserts				
close Tool	Te.	V-8	200 C 0	ol	Float Shoe		al allocation of the second		
wash out	Manaka sa	9869 P.	- 100 - 100 - 1 00 		Latch Down	an wa shi ses i	ne negativen i		
(used 300	DSK								
					Pumptrk Ch	arge $p/w\phi$			
					Mileage <	0/5			-
						- V	Tax		
			/		1 A	-NKS	Discount		
X Signature	and a	Co.	ama	uro f	1 <i>11</i> 1	anks	Total Charge		
anne the forest and t	στ. γ ^τ . γ . στ. π	reen Granderen fo	and for from the first former and the second s				_	L	
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JOB LC						SWIF	T Seri	iices. Inc.	DATE, PAGE NO.
CUSTOM			WELL NO.			LEASE		PEEF SOZ)	TICKET NO.
JOHO L		FArmer		<u>`</u>			rrold	(PEEF SOZ)	35228
CHART NO.	TIME	RATE (8PM)	VOLUME (BBL) (GAL)	<u>ד</u>	MPS C	PRESSU TUBING	JRE (PSI) CASING	DESCRIPTION OF OPERA	TION AND MATERIALS
	800							and leave a	
	000						<u> </u>	ON LOCATION	2
·		_	······						
					<u> </u>			21/2 × 51/2	
								PERES - 37	46- 60
								Pkr = 3622	
			-			-			·)
						<u> </u>			
·····						500		LOAD is Pres	SURE BALLSIDE
	<u> </u>	1.25				800		Take inject	ON RATE.
		1.25	D			800		PUMP CMT -	50 sx w/ HALAK
									2 2 3x wy I WHENK
								In Ist 2	
<u></u>								WASH PAL	
			<u> </u>		<u> </u>			STARK Disp	• • • • • • • • • • • • • • • • • • •
								CATCH PSi	
	910		17.5			2000		STAGE.	TRANSLE PROVINCE PROVINCE PROVINCE
	935								-Dry
	133								
								-x6 (17 5X	in PERES
<u> </u>		2.5	25			300		Leverse out	
								PULL SJTS	
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						500		pressure up 1	shot in
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								JOB COMPLE	TC
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								THANKS DAVID, ZAC	
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Phone 785-483-1071 Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2439

	Sec.	Twp.	Range	T (	County	State	On Location	Finish
Date 9-17-2	1				aham	Ro	en Looddon	2:45pm
		-I		Locatio	on Chara	b of God	SSES	
Lease HERR	old		Vell No. [ ]		Owner			3_20
Contractor ARS					To Quality Oi	Iwell Cementing, Inc	·	
Type Job Sque	2C AR	$\overline{\mathbf{b}}$	,		cementer and	d helper to assist ow	cementing equipment ner or contractor to c	to work as listed.
Hole Size		T.D.			Charge To	O FARM	nen	
Csg. 5-5		Depth			Street		· · · · · · · · · · · · · · · · · · ·	
Tbg. Size >子		Depth	· <b>K</b> .		City		State	
Tool		Depth	5. 		The above wa	s done to satisfaction a	ind supervision of owne	agent or contractor.
Cement Left in Csg.		Shoe Jo	pint		Cement Amo		100210	low
Meas Line		Displac	9					
	EQUIPN	IENT	(		Common 1	5		
Pumptrk 16 He	menter Iper		Bili	en.	Poz. Mix		······································	
Bulktrk	iver iver	·····	CR 206	2	Gel.			
Bulktrk 9 No. Dr	iver iver		Dove	7	Calcium			
JOB	SERVICES	& REMA	RKS		Hulls			
Remarks:					Salt			
Rat Hole					Flowseal			
Mouse Hole					Kol-Seal	······································		
Centralizers					Mud CLR 48		······	**************************************
Baskets					CFL-117 or (	CD110 CAF 38		
D/V or Port Collar					Sand			
Testplus	1500	# ok	-	4	Handling /	00		WWW
Perts C 3	748-	54	<b>)</b>		Mileage			
Could NOF	Rump.	Ento				FLOAT EQUIPN	IENT	
Spot 25 de	l e s	778	$\mathbf{c}$		Guide Shoe			
pullTO 353	6 WG.	6 cle	29-1		Centralizer			
PULL 2 Jts	PRess	TO	2000		Baskets			
User 9	5 m	la an			AFU Inserts			
		assi (h			Float Shoe		. Al décembries de la	
			n in the second		Latch Down			
PREGS	70	300	"Shit]	Fr -				
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	N. A.	Na 10			Pumptrk Cha	arge Gaucez	<u>ج</u>	
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					· / /			<b>.</b>



## DRILL STEM TEST REPORT

Prepared For:

John O Farmer Inc.

PO Box 352 Russell, KS 67665

ATTN: Austin Klaus

#### Herrold #11

#### 25-10s-21w Graham,KS

 Start Date:
 2021.08.09 @ 15:56:00

 End Date:
 2021.08.09 @ 22:17:06

 Job Ticket #:
 67541
 DST #: 1

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

	DRILL STEM TES	T REPC	ORT		
RILOBITE	John O Farmer Inc.		25-10s-2	21w Graham	n,KS
ESTING , INC	PO Box 352 Russell, KS 67665		<b>Herrold</b> Job Ticke		DST#:1
	ATTN: Austin Klaus			:: 2021.08.09 @	_
GENERAL INFORMATION:					
Formation:LKC "H - K"Deviated:NoWhipstock:Time Tool Opened:18:24:06Time Test Ended:22:17:06	ft (KB)		Test Type Tester: Unit No:	e: Convention James Wind 73	al Bottom Hole (Initial) der
Interval:3568.00 ft (KB) To3Total Depth:3660.00 ft (KB) (THole Diameter:7.88 inches Hole				e Elevations: KB to GR/CF:	2185.00 ft (KB) 2177.00 ft (CF) 8.00 ft
Serial #: 6771         Inside           Press@RunDepth:         16.53 psig           Start Date:         2021.08.09           Start Time:         15:56:01           TEST COMMENT:         30 - IF: 1/8" Blow           30 - ISI: No blow         30 - FF: No blow	End Date: End Time: v at open, built to and stayed at 1/4 back	2021.08.09 22:17:06 " through oper	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2021.08.09 @ 18:23:51 @ 20:27:36
30 - FSI: No blov Pressure vs. 67/1 Pressure		Time	PRESS Pressure Ter	SURE SUMM	
1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750	Torrgerund	(Min.) 0 1 31 60 61 90 124 124	(psig)         (deg           1776.20         106           13.03         106           15.22         106           486.17         107           15.55         106           16.53         107           426.88         107		ro-static Flow (1) ) -In(1) Flow (2) ) -In(2)
Recovery	· · · · · · · · · · · · · · · · · · ·			Gas Rates	
Length (ft)     Description       8.00     Mud 100%       0.00     Oil spots in tool	Volume (bbl) 0.11 0.00		Ci	noke (inches) Press	sure (psig) Gas Rate (Mct/d)
Trilobite Testing, Inc	Ref. No: 67541			ted: 2021.08.1	

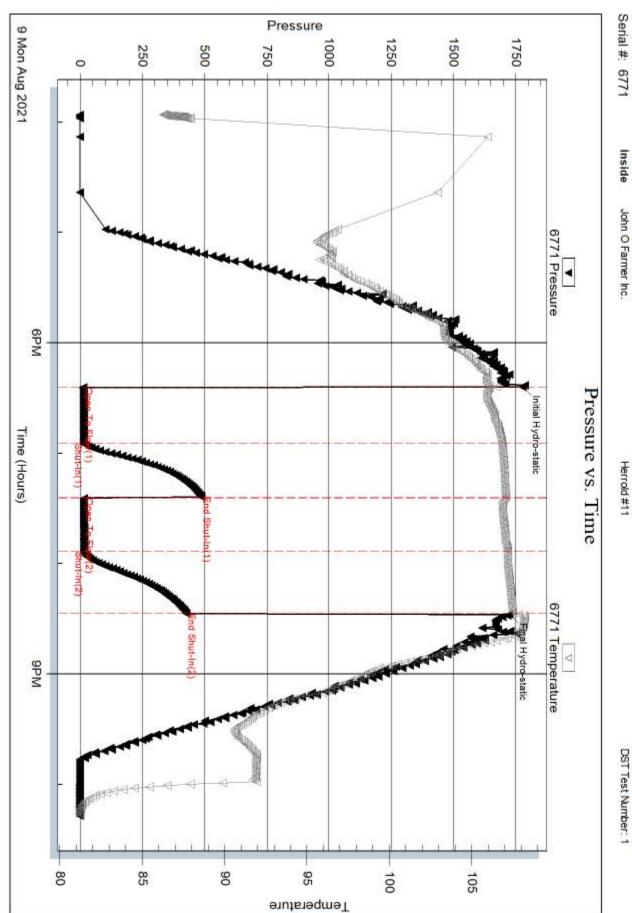
	DRILL STEM TES	T REPO	RT		
RILOBITE TESTING,	John O Farmer Inc.		25-10s-21w	Graham,KS	
ESTING,	NC PO Box 352 Russell, KS 67665		Herrold #11		
	ATTN: Austin Klaus		Job Ticket: 675 Test Start: 202	541 <b>DST</b> 21.08.09 @ 15:56:0	
GENERAL INFORMATION:					
Formation:LKC "H - K"Deviated:NoWhipstoTime Tool Opened:18:24:06Time Test Ended:22:17:06	.k: ft (KB)			conventional Bottom ames Winder 3	Hole (Initial)
Total Depth: 3660.00 ft (KE	<b>3660.00 ft (KB) (TVD)</b> (TVD) Hole Condition: Fair		Reference ⊟e∖ KB to	2177.	.00 ft (KB) .00 ft (CF) .00 ft
Start Date: 2021.08 Start Time: 15:56	01 End Time:	22:16:51	Capacity: Last Calib.: Time On Btm: Time Off Btm:	8000. 2021.08	.00 psig .09
30 - ISI: No 30 - FF: No 30 - FSI: No	low	I" through open	PRESSUR	E SUMMARY	
8307 Pressure	8367 Temperature	1 1	Pressure Temp	Annotation	
9 Man Ag 2221	Hency	(Min.)	(psig) (deg F)		
Recov	ery		Gas	Rates	
Length (ft) Description			Choke (in	ches) Pressure (psig)	Gas Rate (Mcf/d)
8.00         Mud 100%           0.00         Oil spots in tool	0.11 0.00				
Trilobite Testing, Inc	Ref. No: 67541		Dubatest	2021.08.11 @ 15:47	7.00

(3 <b>.4</b> 53) [H	ILOB	IIE -	laha O				05.40.04		TOOL DIAGRA
		ING , INC		Farmer Inc.			25-10s-21w Gr	ranam	i,KS
	EDI	ING, INC					Herrold #11		
			Russell	, KS 67665			Job Ticket: 67541	1	DST#:1
<b>N</b> 57			ATTN:	Austin Kla	us		Test Start: 2021.0	08.09 @	0 15:56:00
Tool Information			<b>I</b>						
Drill Pipe: Lei	ngth:	3573.00 ft	Diameter:	3.80	inches Volume:	50.12 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe: Le	ngth:	0.00 ft	Diameter:	2.75	inches Volume:	0.00 bbl	Weight set on	Packer:	: 25000.00 lb
Drill Collar: Lei	ngth:	0.00 ft	Diameter:	2.25	inches Volume:	0.00 bbl	Weight to Pull I	Loose:	75000.00 lb
		00.00.0			Total Volume:	50.12 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		26.00 ft					String Weight:	Initial	55000.00 lb
Depth to Top Packer:		3568.00 ft						Final	55000.00 lb
Depth to Bottom Pack Interval betw een Pac		ft 02.00.ft							
nterval between Pac Fool Length:	Kers:	92.00 ft 113.00 ft							
Number of Packers:		113.00 It 2	Diameter:	6 75	inches				
Tool Comments:		2	Diameter.	0.75	Inches				
-		Lei	ngth (ft)	Serial No	. Position	Depth (ft)	Accum. Lengths		
Fool Description		Lei	<b>ngth (ft)</b> 1.00	Serial No	. Position	<b>Depth (ft)</b> 3548.00	Accum. Lengths		
<b>Tool Description</b> Change Over Sub Shut In Tool		Lei		Serial No	. Position		Accum. Lengths		
<b>Fool Description</b> Change Over Sub Shut In Tool		Lei	1.00	Serial No	. Position	3548.00	Accum. Lengths		
<b>Fool Description</b> Change Over Sub Shut In Tool Hydraulic tool		Lei	1.00 5.00	Serial No	. Position	3548.00 3553.00	Accum. Lengths		Bottom Of Top Packe
<b>Fool Description</b> Change Over Sub Shut In Tool Hydraulic tool Packer Packer		Lei	1.00 5.00 5.00 5.00 5.00	Serial No	. Position	3548.00 3553.00 3558.00 3563.00 3568.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Packer Packer Stubb		Lei	1.00 5.00 5.00 5.00			3548.00 3553.00 3558.00 3563.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Packer Packer Stubb		Lei	1.00 5.00 5.00 5.00 5.00	Serial No 6771		3548.00 3553.00 3558.00 3563.00 3568.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Packer Packer Stubb Recorder		Lei	1.00 5.00 5.00 5.00 5.00 1.00		Inside	3548.00 3553.00 3558.00 3563.00 3568.00 3568.00 3569.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder		Lei	1.00 5.00 5.00 5.00 5.00 1.00 0.00	6771	Inside	3548.00 3553.00 3558.00 3563.00 3568.00 3569.00 3569.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Perforations		Lei	1.00 5.00 5.00 5.00 5.00 1.00 0.00 0.00	6771	Inside	3548.00 3553.00 3558.00 3563.00 3568.00 3569.00 3569.00 3569.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub		Lei	1.00 5.00 5.00 5.00 5.00 1.00 0.00 0.00	6771	Inside	3548.00 3553.00 3558.00 3563.00 3568.00 3569.00 3569.00 3569.00 3569.00			Bottom Of Top Packe
Tool Description		Lei	1.00 5.00 5.00 5.00 1.00 0.00 21.00 1.00	6771	Inside	3548.00 3553.00 3558.00 3563.00 3568.00 3569.00 3569.00 3569.00 3590.00 3591.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe		Lei	1.00 5.00 5.00 5.00 5.00 1.00 0.00 0.00	6771	Inside	3548.00 3553.00 3558.00 3563.00 3569.00 3569.00 3569.00 3569.00 3590.00 3591.00 3654.00			Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Perforations		Lei	1.00 5.00 5.00 5.00 1.00 0.00 0.00 21.00 1.00 63.00 1.00	6771	Inside	3548.00 3553.00 3558.00 3568.00 3569.00 3569.00 3569.00 3590.00 3590.00 3591.00 3654.00 3655.00		Во	Bottom Of Top Packe
Tool Description Change Over Sub Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Perforations Ballnose	I Tool	Lei	1.00 5.00 5.00 5.00 1.00 0.00 21.00 1.00 63.00 1.00 2.00	6771	Inside	3548.00 3553.00 3558.00 3563.00 3569.00 3569.00 3569.00 3590.00 3591.00 3654.00 3655.00 3657.00	21.00	Во	
Tool Description Change Over Sub Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub Perforations Bullnose	Il Tool		1.00 5.00 5.00 5.00 1.00 0.00 21.00 1.00 63.00 1.00 2.00 3.00	6771	Inside	3548.00 3553.00 3558.00 3563.00 3569.00 3569.00 3569.00 3590.00 3591.00 3654.00 3655.00 3657.00	21.00	Во	

	DRI	LL STEM TEST REPORT		F	LUID SU	IMMARY
	John O	) Farmer Inc.	25-10s-21w	/ Graham,K	8	
TESTING , INC		k 352 I, KS 67665	Herrold #1		DOT# 4	
	A T TN·	Austin Klaus	Job Ticket: 6	7541 021.08.09 @ 15	DST#:1	
.u).edl.						
Mud and Cushion Information						
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal		Cushion Type: Cushion Length:		Oil API: Water Salinity:		deg API ppm
Viscosity: 52.00 sec/qt		Cushion Volume:	bbl	Water Gainity.		ppin
Water Loss: 8.78 in ³		Gas Cushion Type:				
Resistivity: ohm.m		Gas Cushion Pressure:	psig			
Salinity: 3000.00 ppm Filter Cake: 1.00 inches						
Recovery Information						
		Recovery Table				
Leng		Description	Volume bbl			
	8.00	Mud 100%	0.112	-		
	0.00	Oil spots in tool	0.000	]		
Total Length:	8	.00 ft Total Volume: 0.112 bbl				
Num Fluid Sam Laboratory Nar Recovery Com	ne:	Num Gas Bombs: 0 Laboratory Location:	Serial #:			

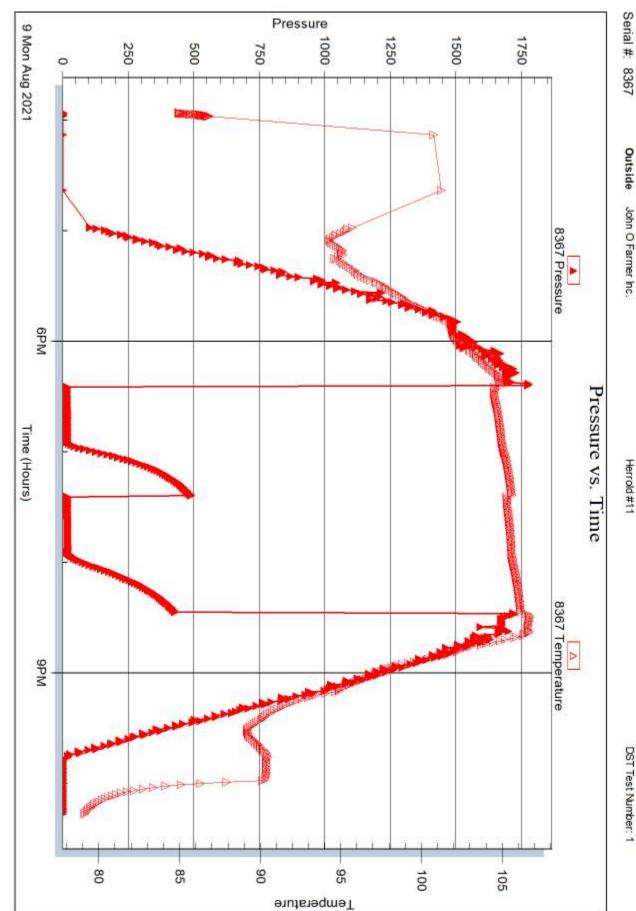
Ref. No: 67541

Trilobite Testing, Inc



Ref. No: 67541





Herrold #11



## DRILL STEM TEST REPORT

Prepared For:

John O Farmer Inc.

PO Box 352 Russell, KS 67665

ATTN: Austin Klaus

#### Herrold #11

#### 25-10s-21w Graham,KS

 Start Date:
 2021.08.10 @ 16:53:00

 End Date:
 2021.08.11 @ 00:07:21

 Job Ticket #:
 67542
 DST #:
 2

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

RILOBITE	DRILL STEN	/ TES	T REP	ORT				
	John O Farmer Inc.			25-	10s-21w	Graham,	KS	
ESTING , I	PO Box 352 Russell, KS 67665			-	rrold #1			
					Ticket: 67		DST#:2	
	ATTN: Austin Klaus			Tes	t Start: 20	)21.08.10 @	16:53:00	
GENERAL INFORMATION:								
Formation: Arbuckle Deviated: No Whipstoc Time Tool Opened: 18:45:21 Time Test Ended: 00:07:21	k: ft (KB)			Tes	ter:	Conventiona James Winde 73	-	Reset)
Total Depth: 3828.00 ft (KB)	<b>3781.00 ft (KB) (TVD)</b> (TVD) Hole Condition: Fair			Ref	erence ⊟e KB t	evations:	2185.00 2177.00 8.00	ft (CF)
Serial #: 6771 Inside								
Press@RunDepth: 562.29 ps	ig @ 3728.00 ft (KB)			Capacity	:		8000.00	psig
Start Date: 2021.08.			2021.08.11	Last Cali	b.:		2021.08.11	
Start Time: 16:53:0	01 End Time:		00:07:21	Time On Time Off		2021.08.10 ( 2021.08.10 (		
2000 0771 Pressure	vs. Time ⊽ 6771 Terpendure		Time	PI Pressure	RESSUF Temp	RE SUMM		
		- - 	(Min.)	(psig) 1904.94	(deg F) 107.18	Initial Hydro		
1500		- 105	1	224.10	107.58	Open To Fl	ow (1)	
		- 100	11 42	471.34 918.91	111.02 110.37	Shut-In(1) End Shut-Ir	<b>(1)</b>	
			42	422.69		Open To Fl		
		55 55 55 55 55 55 55 55 55 55 55 55 55	51	562.29	111.36	. ,	. ,	
		- 75	83 84	901.42 1772.23	111.25 111.25	End Shut-Ir Final Hydro	. ,	
0 + + + + + + + + + + + + + + + + + + +	SPM 11	Wed						
Recove	ry				Ga	s Rates		
Length (ft) Description	Volume (bb	b)			Choke (i	nches) Pressu	e (psig) Ga	s Rate (Mcf/d)
250.00 GWO 38%o, 35%g, 2	7%w 3.51					•		
190.00 GWO 37%o, 32%w,	28%g, 3%m 2.67							
700.00 GMWCO 49%o, 27%	w, 16%g, 8%m 9.82							
105.00 GMWCO 45%o, 23%	w , 20%m, 12%g 1.47							
* Recovery from multiple tests								

	DRILL STEM TES	ST REPORT
RILOBITE	John O Farmer Inc.	25-10s-21w Graham,KS
ESTING , INC	PO Box 352 Russell, KS 67665	Herrold #11 Job Ticket: 67542 DST#: 2
	ATTN: Austin Klaus	Test Start: 2021.08.10 @ 16:53:00
GENERAL INFORMATION:		
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:18:45:21Time Test Ended:00:07:21	ft (KB)	Test Type: Conventional Straddle (Reset) Tester: James Winder Unit No: 73
Interval:3727.00 ft (KB) To37Total Depth:3828.00 ft (KB) (TVHole Diameter:7.88 inches Hole	/D)	Reference Elevations:         2185.00         ft (KB)           2177.00         ft (CF)           KB to GR/CF:         8.00         ft
Serial #: 8367OutsidePress@RunDepth:psigStart Date:2021.08.10Start Time:16:53:01	•	Capacity:         8000.00         psig           2021.08.11         Last Calib.:         2021.08.11           00:07:06         Time On Btm:           Time Off Btm:         Time Off Btm:
10 - FF: Blow bu	rface blow back, dead by 20 min. ilt to BOB at 1 1/4 min., built to 66 3/ urface blow back, dead by end of c	3/4"
A Story Pressure	IIIIC ∆	Time Pressure Temp Annotation
729 400 400 400 400 400 400 400 40	Temperature (dep F)	(Min.) (psig) (deg F)
Recovery		Gas Rates
Length (ft) Description	Volume (bbl)	Choke (inches) Pressure (psig) Gas Rate (Mcf/d)
250.00 GWO 38%o, 35%g, 27%		
190.00 GWO 37%o, 32%w , 28%		
700.00         GMWCO 49%o, 27%w, 1           105.00         GMWCO 45%o, 23%w, 2		

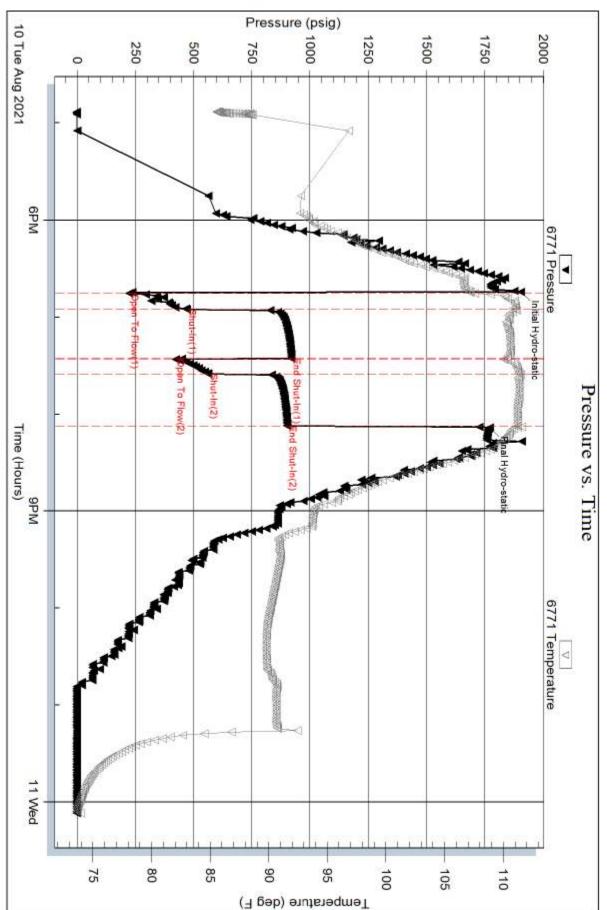
	DRILL STEM TES	ST REPO	ORT		
RILOBITE	John O Farmer Inc.		25-10s-21v	v Graham	,KS
ESTING , INC	PO Box 352 Russell, KS 67665		Herrold #		
			Job Ticket: 6		DST#: 2
	ATTN: Austin Klaus		Test Start: 2	2021.08.10 @	) 16:53:00
GENERAL INFORMATION:					
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:18:45:21Time Test Ended:00:07:21	ft (KB)		Test Type: Tester: Unit No:	Conventiona James Wind 73	al Straddle (Reset) er
Interval:3727.00 ft (KB) To37Total Depth:3828.00 ft (KB) (THole Diameter:7.88 inches Hole			Reference E KB	levations: to GR/CF:	2185.00 ft (KB) 2177.00 ft (CF) 8.00 ft
Serial #: 8700InsidePress@RunDepth:psigStart Date:2021.08.10Start Time:16:53:01TEST COMMENT:10 - IF: Blow built	End Date: End Time:	2021.08.11 00:06:36	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2021.08.11
10 - FF: Blow bu 30 - FSI: Weak s Pressure vs. 1			PRESSU	RE SUMM	ARY
* 5700 Pressue	5700 Temperature	Time	Pressure Temp	Annotatio	
		(Min.)	(psig) (deg F)		
Recovery			G	as Rates	
Length (ft) Description	Volume (bbl)		Choke	(inches) Pressu	ure (psig) Gas Rate (Mcf/d)
250.00 GWO 38%o, 35%g, 27%					
190.00         GWO 37%o, 32%w, 28%           700.00         GMWCO 49%o, 27%w,					
105.00         GMWCO 49%0, 27%W,           105.00         GMWCO 45%0, 23%W,	-				
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 67542		Printer	1: 2021.08.11	@ 15:47:01

RILOBIT	John C	John O Farmer Inc.			25-10s-21w Graham,KS		
ESTIN	IG, INC PO Box	<pre>/ 250</pre>			Herrold #11		
		l, KS 67665			Job Ticket: 67542	DST#: 2	
NUR!						-	
all and a second se	ATTN:	Austin Klaus	i		Test Start: 2021.08.10 @	16:53:00	
Tool Information	•						
Drill Pipe: Length: 3	729.00 ft Diameter	: 3.80 in	ches Volume:	52.31 bbl	Tool Weight:	2000.00 lb	
Heavy Wt. Pipe: Length:	0.00 ft Diameter	: 2.75 in	ches Volume:	0.00 bbl	Weight set on Packer		
Drill Collar: Length:	0.00 ft Diameter	-	ches Volume:		Weight to Pull Loose:		
Drill Pipe Above KB:	23.00 ft		Total Volume:	52.31 bbl	Tool Chased	0.00 ft	
	727.00 ft				String Weight: Initial Final	61000.00 lb 67000.00 lb	
Depth to Bottom Packer: 3	781.00 ft				i liidi	01000.00 10	
Interval betw een Packers:	54.00 ft						
0	122.00 ft	• ==					
Number of Packers: Tool Comments:	3 Diameter	: 6.75 in	ches				
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths		
Change Over Sub	1.00			3707.00			
Shut In Tool	5.00			3712.00			
Hydraulic tool	5.00			3717.00			
Packer	5.00			3722.00	21.00	Bottom Of Top Packer	
	F 00			3727.00			
Packer	5.00						
	5.00 1.00			3728.00			
Stubb		6771	Inside	3728.00 3728.00			
Stubb Recorder Recorder	1.00 0.00 0.00	6771 8367	Inside Outside	3728.00 3728.00			
Stubb Recorder Recorder Perforations	1.00 0.00 0.00 13.00			3728.00 3728.00 3741.00			
Packer Stubb Recorder Recorder Perforations Blank Spacing	1.00 0.00 0.00 13.00 33.00			3728.00 3728.00 3741.00 3774.00			
Stubb Recorder Recorder Perforations Blank Spacing Perforations	1.00 0.00 13.00 33.00 2.00			3728.00 3728.00 3741.00 3774.00 3776.00			
Stubb Recorder Recorder Perforations Blank Spacing Perforations Blank Off Sub	1.00 0.00 13.00 33.00 2.00 1.00			3728.00 3728.00 3741.00 3774.00 3776.00 3777.00			
Stubb Recorder Recorder Perforations Blank Spacing Perforations Blank Off Sub Blank Spacing	1.00 0.00 13.00 33.00 2.00 1.00 4.00			3728.00 3728.00 3741.00 3774.00 3776.00 3777.00 3781.00	54.00	Tool Interva	
Stubb Recorder Recorder Perforations Blank Spacing Perforations Blank Off Sub Blank Spacing Packer	1.00 0.00 13.00 33.00 2.00 1.00 4.00			3728.00 3728.00 3741.00 3774.00 3776.00 3777.00 3781.00 3781.00	54.00	Tool Interva	
Stubb Recorder Perforations Blank Spacing Perforations Blank Off Sub Blank Spacing Packer Packer - Shale	1.00 0.00 13.00 33.00 2.00 1.00 4.00 0.00			3728.00 3728.00 3741.00 3774.00 3776.00 3777.00 3781.00 3781.00	54.00	Tool Interva	
Stubb Recorder Recorder Perforations Blank Spacing Perforations Blank Off Sub Blank Spacing Packer Packer - Shale Stubb	1.00 0.00 13.00 33.00 2.00 1.00 4.00 0.00 0.00 1.00	8367	Outside	3728.00 3728.00 3741.00 3774.00 3776.00 3777.00 3781.00 3781.00 3781.00 3782.00	54.00	Tool Interva	
Stubb Recorder Recorder Perforations Blank Spacing Perforations Blank Off Sub Blank Spacing Packer Packer - Shale Stubb Recorder	1.00 0.00 13.00 33.00 2.00 1.00 4.00 0.00 1.00 1.00 0.00			3728.00 3728.00 3741.00 3774.00 3776.00 3777.00 3781.00 3781.00 3781.00 3782.00	54.00	Tool Interva	
Stubb Recorder Recorder Perforations Blank Spacing Perforations Blank Off Sub Blank Spacing Packer Packer - Shale Stubb Recorder Perforations	1.00 0.00 13.00 33.00 2.00 1.00 4.00 0.00 0.00 1.00 0.00 9.00	8367	Outside	3728.00 3728.00 3741.00 3774.00 3776.00 3777.00 3781.00 3781.00 3781.00 3782.00 3782.00 3791.00	54.00	Tool Interva	
Stubb Recorder Recorder Perforations Blank Spacing Perforations Blank Off Sub Blank Spacing Packer Packer - Shale Stubb Recorder	1.00 0.00 13.00 33.00 2.00 1.00 4.00 0.00 1.00 1.00 0.00	8367	Outside	3728.00 3728.00 3741.00 3774.00 3776.00 3777.00 3781.00 3781.00 3781.00 3782.00		Tool Interva	

1ON-		DRI	LL STEM TEST REPC	RT	FLUI	D SUMMAR		
RILOBITE TESTING , INC		John C	John O Farmer Inc. PO Box 352 Russell, KS 67665		25-10s-21w Graham,KS			
					Herrold #11			
					67542 <b>DST</b>	#:2		
MCM.		ATTN:	Austin Klaus	Test Start:	Test Start: 2021.08.10 @ 16:53:00			
Mud and Cu	shion Informatio	'n						
/lud Type: Ge	el Chem		Cushion Type:		Oil API:	deg API		
/lud Weight:	10.00 lb/gal		Cushion Length:	ft	Water Salinity:	ppm		
/iscosity:	60.00 sec/qt		Cushion Volume:	bbl				
Vater Loss:	8.78 in ³		Gas Cushion Type:					
Resistivity:	ohm.m		Gas Cushion Pressure:	psig				
Salinity:	3000.00 ppm							
ilter Cake:	1.00 inches							
Recovery In	formation		Recovery Table					
					_			
		ength ft	Description	Volume bbl				
		250.00	GWO 38%o, 35%g, 27%w	3.5	07			
		190.00	GWO 37%o, 32%w, 28%g, 3%m	2.6	65			
		700.00	GMWCO 49%o, 27%w , 16%g, 8%m	9.8	19			
		105.00	GMWCO 45%o, 23%w , 20%m, 12%g	1.4	73			
	Total Length	n: 1245	.00 ft Total Volume: 17.464	bbl				
	Num Fluid S	amples: 0	Num Gas Bombs: 0	Serial	#:			
	Laboratory	Name:	Laboratory Location:					
	Recovery C	omments:	-					

Ref. No: 67542

Trilobite Testing, Inc



Herrold #11

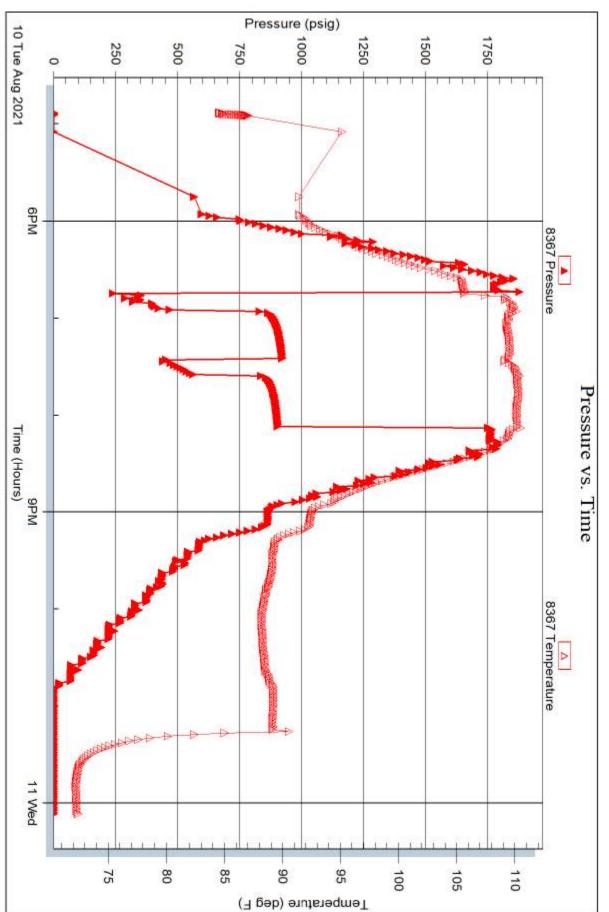
Serial #: 6771

Inside

John O Farmer Inc.

Ref. No: 67542

Trilobite Testing, Inc



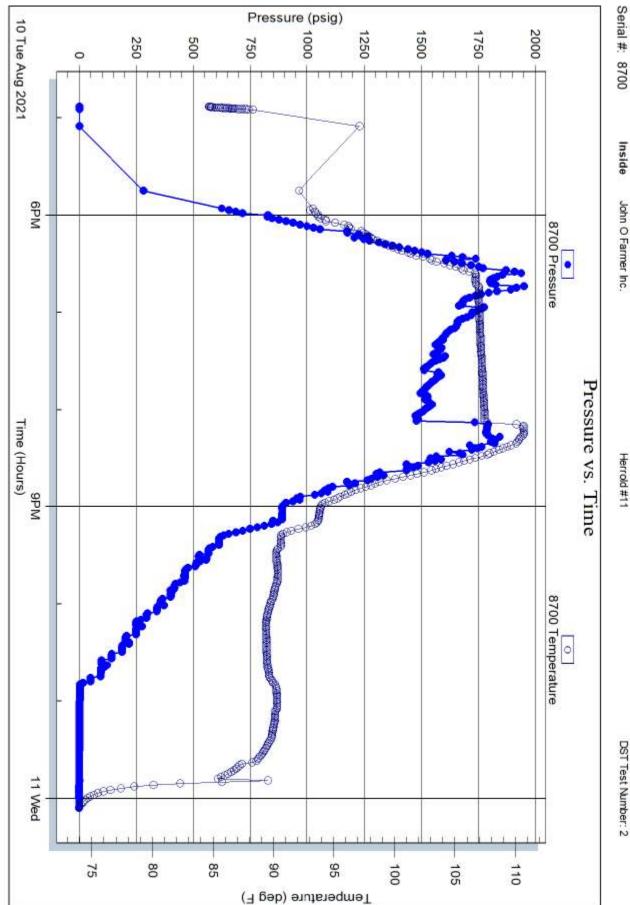
Herrold #11

Serial #: 8367

Outside John O Farmer Inc.

Ref. No: 67542

Trilobite Testing, Inc



Herrold #11

Inside

John O Farmer Inc.

RILOBITE			<b>Test Ticket</b>			
4/10 ESTING INC. 1515 Commerce Parkway	• Hays, Kansas 6760	1	<b>NO.</b> 6	7541		
Well Name & No. <u>Herrold</u> #11 Company John O. Farmer Inc. Address <u>370 W. W. chita Auc</u> Co. Rep / Geo. <u>Austin Klaus</u> Location: Sec. <u>25</u> Twp <u>10s</u> Interval Tested <u>3568-3660</u> Anchor Length <u>92</u> Top Packer Depth <u>3568</u>	Rge. <u>21</u> Zone Tested <u>L</u> Drill Pipe Run _ Drill Collars Run _	Elevation 21 Russell, Rig Disc co. <u>Grah</u> KC."H-K"	KS 676 every #4 am Mud W Vis	2177 65 StateK 117. 2 52 	GL	
Total Depth3660		000 ppm				
Blow Description IF: 18 Blow at open ISI: No blowback FF: No blow FSI: No blow	, <u>Duri 10 ano</u>	<u></u>	<u>+</u>		·····	
Rec 8 Feet of Mud		%qas	%cil	%water	00 %mud	
Rec Feet of Oil spots in	teol	%gas	%cil	%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       8       BHT       10.8         (A) Initial Hydrostatic       1776         (B) First Initial Flow       13         (C) First Final Flow       15         (D) Initial Shut-In       486         (E) Second Initial Flow       16         (F) Second Final Flow       17         (G) Final Shut-In       427         (H) Final Hydrostatic       1123         Initial Open       30         Final Flow       30         Final Flow       30         Final Shut-In       30	<ul> <li>Test 1300</li> <li>Jars</li> <li>Safety Joint</li> <li>Circ Sub</li> <li>Circ Sub</li> <li>Hourly Standby</li> <li>Hourly Standby</li> <li>Sampler</li> <li>Straddle</li> <li>Shale Packer</li> <li>Extra Recorder</li> <li>Day Standby</li> </ul>	95	T-Open T-Pulled T-Out Comments Comments EM Tool_ Ruined Sh Ruined Pa Extra Copi Sub Total			
Approved By	Accessibility Sub Total		MP/DST Disc	c't		

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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.

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**RILOBITE ESTING INC.** 1515 Commerce Parkway • Hays, Kansas 67601

**Test Ticket** 

**NO.** 67542

Well Name & No. Herrold #11	Test No	2 Date 8-16-21
company John O Farmer		2185 KB 2177 GL
Address 370 Wichita Ave Pi	0 Box 352 Russel	1, RS 67665
Co. Rep/Geo. Austin Klaus	Rig_Dis	
Location: Sec. 25 Twp 105		
Interval Tested 3727 - 378/	Zone Tested Arbuckle	
Anchor Length 54 Anchor 47'Tail		Mud Wt9.5
Top Packer Depth	Drill Collars Run	Vis 60
Bottom Packer Depth 93781		
Total Depth 3828	Chlorides 3000 ppn	n System LCM <u>3/2</u>
Blow Description IF: Blow built to	BOB (11") at Imin., bu	ilt to 861/2"
	lowback, dead by 20mi	<i>∩</i> ,
FF: Blow built to B	OB at 11/4 min., built +	· 66314*
FSI Weak surface	blow dead by end o:	
Rec 105 Feet of 6MWCO		5 %oil 23 %water 20 %mud
Rec. 700 Feet of 6MWCO	16 %gas 4	9 %oil 27 %water 8 %mud
Rec. 190 Feet of 6 W 0		37 %oil 32 %water 3 %mud
Rec. 250 Feet of 500	<u> </u>	<u> 38 %cil 27 %water - %mud</u>
Rec Feet of	%gas	%oil %water %mud
Rec Total	_ Gravity API RW(	@ F Chloridesppm
(A) Initial Hydrostatic 1905	<b>D</b> Test1300	
(B) First Initial Flow224	<b>D</b> Jars	
(C) First Final Flow 471	Safety Joint	T-Open
(D) Initial Shut-In919	Circ Sub	T-Pulled <u>20:07</u> T-Out <u>00:05 8/11</u>
(E) Second Initial Flow 423	Hourly Standby	
(F) Second Final Flow562	C Mileage 76 RT 95	Comments
(G) Final Shut-In 90 ]	Sampler	
(H) Final Hydrostatic <u>\                                   </u>	<b>E</b> Straddle 600	CI EM Tool
	G Shale Packer	Ruined Shale Packer
Initial OpenİO	C Extra Packer	Q Ruined Packer
Initial Shut-In_30	Extra Recorder	🖸 Extra Copies
Final Flow	Day Standby	Sub Total
Final Shut-In 30	Accessibility	Total
	Sub Total 1995	MP/DST Disc't
Approved By	Our Representative	James Winda

Tribbite 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.



**AUSTIN B. KLAUS** 



# Cell 785.650.3629 Work 785.483.3145 Ext 225

# PO BOX 352 Russell, KS 67665 austin.klaus@johnofarmer.com

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name:	Herrold #11					
API:	15-065-24201-00-00					
Location:	Graham County					
License Number:	-		Region:	Kansas		
Spud Date:	8/5/2021	Dril	ling Completed:	8/10/2021		
Surface Coordinates:	: Section 25 - Township 10 South - Range 21 West					
	2,310' FNL & 1,215' FW	L				
Bottom Hole	Vertical well w/ minimal deviation, same as above					
Coordinates:						
Ground Elevation (ft):	2,173	K.B. Elevation (ft):	2,181			
Logged Interval (ft):	3150 To: RTD	Total Depth (ft):	3,828			
Formation:	Topeka - Arbuckle	,				
Type of Drilling Fluid:	Chemical (Andy's Mud	)				
•	Printer	by StripLog from WellSi	aht Systems 1-800-4	47-1534 www.WellSight.co		

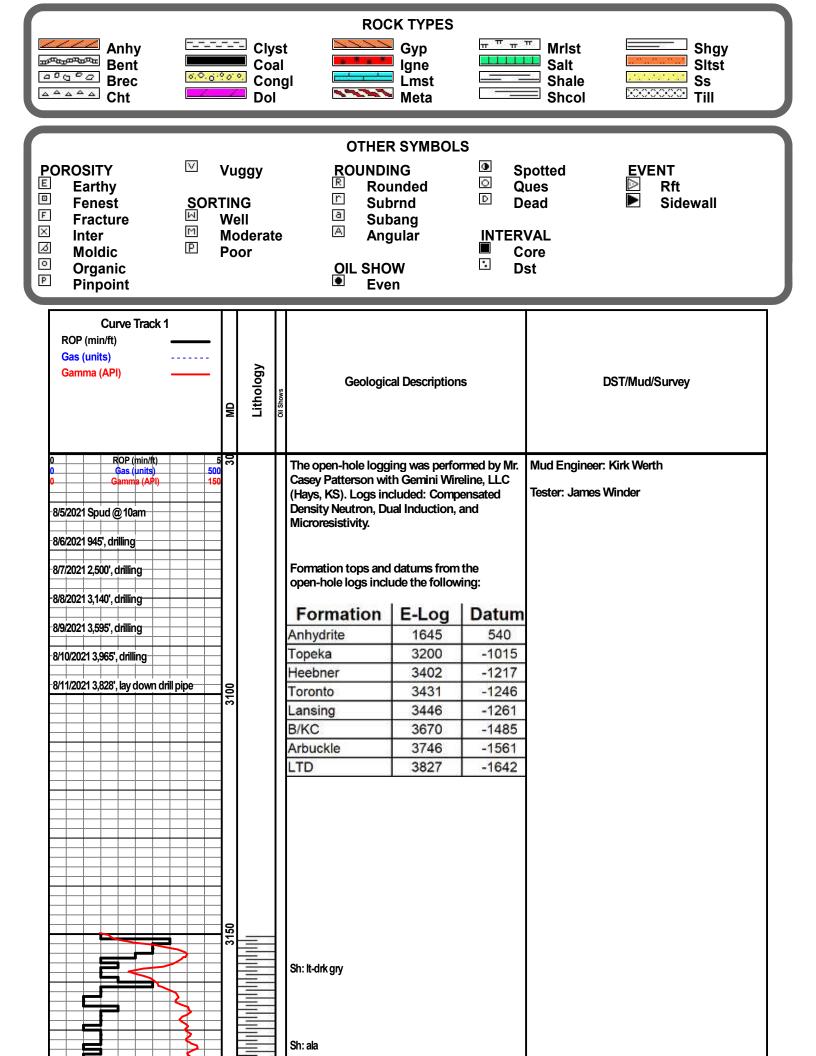
#### OPERATOR

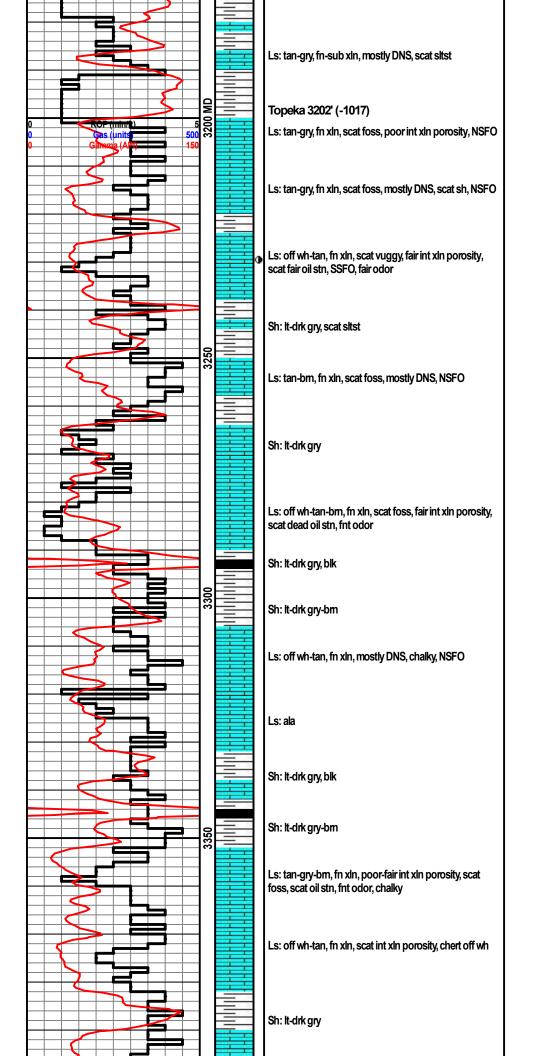
Company: John O. Farmer, Inc. Address: P.O. Box 352 Russell, KS 67665

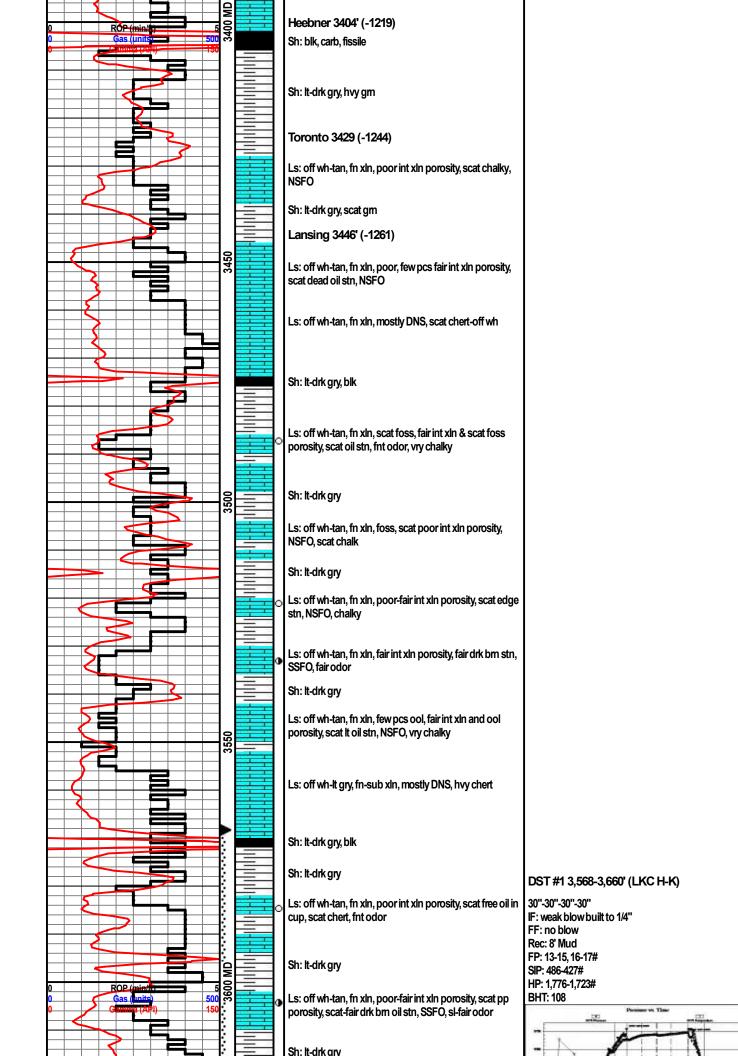
#### Comments

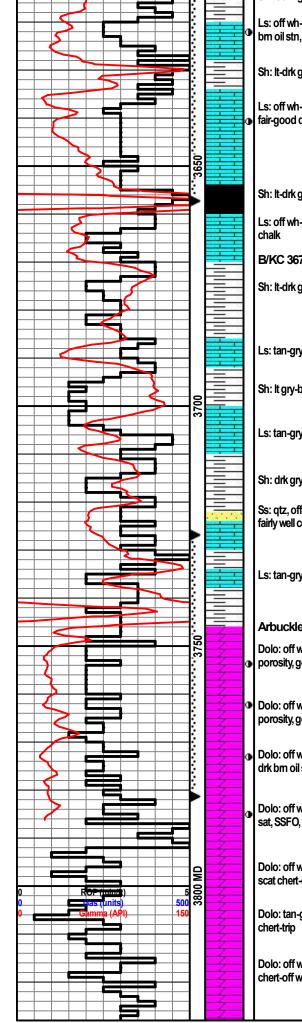
The Herrold #11 well was drilled by Discovery Drilling Rig #4 (Tool Pusher: Tom Alm).

The location for the Herrold #11 was discovered via 3D seismic survey. Drill time was recorded and rock samples were gathered and evaluated from 3,150'-3,828'. Oil shows were encountered in the Lansing F,I,J,K, and Arbuckle. Structurally, the Lansing top was picked 16' high to the comparison well, Herrold #1 (330' FWL & 2,310' FNL). Structure thinned and the Arbuckle top was picked 19' high to the comparison well. A bottom-hole drill stem test was conducted over the Lansing H - K zones, yiedling 8' Mud. Upon completion of electric logs, a straddle test was run to evaluate the top 35' of the Arbuckle. This test recovered 1,245' total fluid (see complete results below. After comprehensive evaluation of all oil shows, drill stem test results, & electric logs, the decision was made set 5-1/2" production casing to further evaluate the Herrold #11 on 8/11/2021.









Ls: off wh-tan, fn xln, poor-fair int xln porosity, fair drk brn oil stn, SSFO, fair odor, scat chert

Sh: It-drk gry

Ls: off wh-tan, fn xln, poor-fair pp vuggy porosity, fair-good drk brn oil stn, SSFO, fair odor

Sh: It-drk gry

Ls: off wh-tan, fn xln, poor int xln porosity, NSFO, scat

B/KC 3673' (-1488)

Sh: It-drk gry, bm

Ls: tan-gry, fn-md xln, DNS, scat chert

Sh: It gry-bm, red

Ls: tan-gry, fn-md xln, DNS, scat chert

Sh: drk gry-brn, scat red

Ss: gtz, off wh, fn-md gm, sub md, fair int gm porosity, fairly well cemented, sl-fair oil sat, fair odor

Ls: tan-gry, fn xln, DNS, scat chert

#### Arbuckle 3751' (-1566)

Dolo: off wh-tan-bm, fn xln, sucrosic, fair good sucr xln porosity, good drk brn oil sat, F-GSFO, good odor

- Dolo: off wh-tan, fn xln, sucrosic, fair-good surc xln porosity, good oil sat, F-GSFO, good odor
- Dolo: off wh-tan, fn-md xln, fair int xln porosity, scat fair drk brn oil sat, SSFO, fair odor, scat chert-trip
- Dolo: off wh-tan, fn-md xln, fair int xln porosity, fair oil sat, SSFO, fair odor, scat sh: grn, chert-trip

Dolo: off wh-tan-gry, fn xln, poor-fair int xln porosity, scat chert-off wh

Dolo: tan-gry, fn-md xln, scat int xln porosity, NSFO,

Dolo: off wh-tan-bm, fn-md xln, poor int xln porosity, chert-off wh, scat sh: gm

