## KOLAR Document ID: 1592522

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 #:	Location of fluid disposal if hauled offsite:
EOR         Permit #:           GSW         Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East _ West
Recompletion Date Reached TD Completion Date of 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: 1592522

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	Orill Stem Tests Taken Yes No (Attach Additional Sheets)				Log Formation (Top), Depth 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		on. etc.		
				Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Perforate Top Bottom		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	Water Bbls. Gas-Oil Ratio Gra				Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold Used on Lease Open Hole Perf.				-	·	nit ACO-4)	юр	Bollom	
Shots Per         Perforation         Perforation         Bridge Plug         Bridge Plug           Foot         Top         Bottom         Type         Set At			Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)		
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	AGV Corp.
Well Name	BARBARA 1
Doc ID	1592522

# Tops

Name	Тор	Datum
Lansing	2036	-685
Kansas City	2330	-979
Base / KC	2492	-1141
Miss/Cong.	2774	-1423
Miss Dolomite	2790	-1439
Miss Osage	2816	-1465
Kinderhook Sh	3088	-1737
Hunton	3144	-1793
Simpson Sand	3201	1850
Arbuckle	3270	-1919
Total Depth	3338	-1987

Form	ACO1 - Well Completion
Operator	AGV Corp.
Well Name	BARBARA 1
Doc ID	1592522

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	218	Class A	125	2% gel, 3% cc, 1/4# / sx flo-seal

										ne i standare gana
PO B EUREKA,	83-5561	5 E	ENTING & ACID S	SERVICE,	LLC	\$ E R19. 19	5	Ticket N Forema	t or Acid Fie No. 58 In <u>Kevin Mi</u> Eurera	86
Date	Cust. ID #	Leas	e & Well Number		Section		wnship	Range	County	State
9-15-21	1358		ARA # 1		8		65	36	Butler	KS
Customer				Safety	Unit #		Driv		Unit #	Driver
AGV C	ORDORATI	ION		Meeting	105		JASO.			
Mailing Address	SH	112		ShANN	ON t.					
	1. MAIN			SF		14.00				
City		State	Zip Code							
Attici	9	KS	67009							
Job Type Sur	FACE	Hole Der	th 221 KB		Slurry Vol.	9.B.	bC	т	ubing	
Casing Depth	,	G.L. Hole Siz	e 12'/4"		Slurry Wt. 15	- #		D	rill Pipe	
Casing Size & V		73 * Cement I	eft in Casing 20' 1	1-	Water Gal/SK				ther	
Displacement			ement PSI		Bump Plug to				PM	
										1 .1
			g up to 85/8"							
			ent w/ 3%. CAS							
			Fresh wate			IN.	Good	Lemen	it Keturns	to SURFACE
= 4 BK S	TURRY to	the Pit	Job Complet	e. Rig	down.					
			/							

ar -
P.
r.
¥ ***

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 101	1	Pump Charge	890.00	890.00
C /07	40	Mileage	4.20	168.00
C 200	125 5KS	CLASS "A" Cement	17.35	2168.75
C 205	350 #	CACLZ 3%	.69#	241.50
C 206	235 #	Gel 2%	. 28 #	65.80
C 209	30 *	FloseAL 1/4 # Isk	2.60 #	78.00
C 108 A	5.87 Tons	Ton MileAge	M/C	365.00
			4	
			Sub TotAL	3977.05
		THANK YOU	Less 5%	207.15
			Sales Tax	166.01
Authoriz	ration Ke	A Kohtek Title	Total	3,935.91

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

Sep 22 2	21 07:20a	Elite Cement & Acid			620	5835524		p.1	
EURI (62	810 E 7 <sup>™</sup> PO Box 92 EKA, KS 670 20) 583-5561 <i>5-015 - 2415</i>	CEMENTING & ACID S	SERVICE,			Cement Ticket No Foreman Camp	) Davi	<b>5855</b> d Ga,	5
Date				Section	Township	Range	Cou	ntv	State
	21 1358	Barbara #1		8	26 S	1	Buti		KS
Customer		1	Safety	Unit#		river	Unit#		Driver
HG Mailing Add	V Corpo	ration	Meeting D-G	105		son	*****		
			JH	//0	Shi	annon			
City	3 N. M.		SF						
	1	State Zip Code							
HTH	fica	KS 67009							
Casing De Casing Siz Displacem	epth ze & Wt ient		Drill @ 3 @ 0 in R	pipe. Plu 302' 252' 20' to Su at Hole Touse Hole	14 <sup>4</sup>	Drill Drill Dthe	Pipe <u>4</u> er //		
Code	Qty or Units	Description of Product or Serv	ices			Unit Pr	ica	Ta	otal
C103	1	Pump Charge	~~~~						
C107	40	Mileage	ana antan antan yang dalamata a				0.00		00.00
							1.20	10	08.00
C203	125 SKS	100/40 Pozmix Cement	**************************************			12	1.75	101	13.75
C206	430#	Bel 4%	· · · · · · · · · · · · · · · · · · ·			1	. 28		
							. 60	12	0.40

			······································		7.60	168.00
C203	125 SKS	60/40 Pozmix ( Gel 4%	Cement		14.75	1843.75
C206	430#	Gel 4%	-		. 28	120.40
C108A	5.37 Tons	Ton Mileage - E	Bulk Truck		m/c	365.00
					/	
			- Andreige and a start			
			an balanda kanan kana			
**************************************						
			anna dhuanna an dhuanna a dhuanna dhuan			
			annan an a-state false dage dage dage state and an and a state		·	
			Thank You		Sub Total	3,597.15
			•		Less 5%	186.24
Al film and a state of the state	<u> </u>			6.5%	Sales Tax	127.67
Authoriz	ation by Ju	dd Gulick	Title <u>C+G</u>	Drlg Tool Pusher	Total	3,538.58

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

	RILOBITE	AGV Corporation			8/2	6S/3E B	utler, KS	
	ESTING , INC.	123 North Main				rbara #1		
	•	P.O. Box 377				Ticket: 67		DST#:1
		Attica,KS 67009-0377						-
		ATTN: Kent Roberts			Tes	t Start: 20	)21.09.18 @	19:22:00
GENERAL IN	NFORMATION:							
Formation:	Mississippian				_			
Deviated:	No Whipstock:	ft (KB)						Bottom Hole (Initial)
Time Tool Open Time Test Endeo							Jimmy Ricket 80	IS
Interval:	2808.00 ft (KB) To 28	322.00 ft (KB) (TVD)			Ref	erence ⊟e	evations:	1351.00 ft (KB)
Total Depth:	2822.00 ft (KB) (T							1342.00 ft (CF)
Hole Diameter:	7.88 inchesHole	e Condition: Fair				KB t	o GR/CF:	9.00 ft
Serial #: 83	369 Inside							
Press@RunDep		•			Capacity			8000.00 psig
Start Date:	2021.09.18	End Date:		2021.09.19	Last Cali			1899.12.30
Start Time:	19:22:01	End Time:		02:15:50	Time On Time Off		2021.09.18 @ 2021.09.19 @	
		-						
	Pressure vs. T 839 Ausure	šme ∑ 8389 Tempenáve		Timo			RE SUMMA	
1500			- - - - - - - -	Time (Min.)	Pl Pressure (psig)	RESSUF Temp (deg F)	RE SUMMA Annotatio	
1200				(Min.) 0	Pressure (psig) 1423.12	Temp (deg F) 104.95	Annotatio Initial Hydro	n -static
-			-	(Min.) 0 2	Pressure (psig) 1423.12 39.24	Temp (deg F) 104.95 104.66	Annotatio Initial Hydro Open To Fle	n -static
-			- - 	(Min.) 0	Pressure (psig) 1423.12	Temp (deg F) 104.95	Annotatio Initial Hydro Open To Fle Shut-In(1)	n ⊢static ow (1)
1220			- - - - - - - - - - - - - - - - - - -	(Min.) 0 2 32	Pressure (psig) 1423.12 39.24 200.66	Temp (deg F) 104.95 104.66 109.63 109.15	Annotatio Initial Hydro Open To Fle Shut-In(1)	n static ow (1) i(1)
1220			- - - - - - - - - - - - - - - - - - -	(Min.) 0 2 32 77 77 107	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2)	n static pow (1) n(1) pow (2)
1230 1000 700			- - - - - - - - - - - - - - - - - - -	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99 109.56	Annotatio Initial Hydro Open To Fle Shut-In(1) End Shut-In Open To Fle Shut-In(2) End Shut-In	n static pow (1) n(1) pow (2) n(2)
1000			- - - - - - - - - - - - - - - - - - -	(Min.) 0 2 32 77 77 107	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2)	n static pow (1) n(1) pow (2) n(2)
1230 1000 700			- - - - - - - - - - - - - - - - - - -	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99 109.56	Annotatio Initial Hydro Open To Fle Shut-In(1) End Shut-In Open To Fle Shut-In(2) End Shut-In	n static pow (1) n(1) pow (2) n(2)
			Temperatura (dec F)	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99 109.56	Annotatio Initial Hydro Open To Fle Shut-In(1) End Shut-In Open To Fle Shut-In(2) End Shut-In	n static pow (1) n(1) pow (2) n(2)
	200 Prevan 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Tampont/Jan (deg F) 95 500 50 55 55 55 55 55 55 55 55 55 55 5	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99 109.56	Annotatio Initial Hydro Open To Fle Shut-In(1) End Shut-In Open To Fle Shut-In(2) End Shut-In	n static pow (1) n(1) pow (2) n(2)
	500 Present	SUB TOPONALD	Tampont/Jan (deg F) 95 500 50 55 55 55 55 55 55 55 55 55 55 5	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99 109.56	Annotatio Initial Hydro Open To Fle Shut-In(1) End Shut-In Open To Fle Shut-In(2) End Shut-In	n static pow (1) n(1) pow (2) n(2)
129 1000 700 500 200 500 500 500 500 500 5	Trepton Trepton Trepton Trepton Trepton Trepton	SUB Trapodane	Tampont/Jan (deg F) 95 500 50 55 55 55 55 55 55 55 55 55 55 5	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.56 108.70 Ga	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static pw (1) ((1) pw (2) (2) -static
120 700 700 200 200 200 200 200 2	State Recovery Description	SEB Temperature	Tampont/Jan (deg F) 95 500 50 55 55 55 55 55 55 55 55 55 55 5	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99 109.56 108.70	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static pw (1) ((1) pw (2) (2) -static
120 1000 700 700 200 200 200 200 200	Star Star Star Star Star Star Star Recovery Description Tr oil MCW TrO 81% W 8	539 Temperature 539 Temperature 539 Temperature 539 Temperature 530 Te	Tampont/Jan (deg F) 95 500 50 55 55 55 55 55 55 55 55 55 55 5	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.56 108.70 Ga	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static pw (1) ((1) pw (2) (2) -static
120 1000 700 500 200 200 500 200 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 1	State Recovery Description	SEB Temperature	Tampont/Jan (deg F) 95 500 50 55 55 55 55 55 55 55 55 55 55 5	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.56 108.70 Ga	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static pw (1) ((1) pw (2) (2) -static
120 1000 700 500 200 200 500 200 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 500 100 1	Star Star Star Star Star Star Star Recovery Description Tr oil MCW TrO 81% W 8	539 Temperature 539 Temperature 539 Temperature 539 Temperature 530 Te	Tampont/Jan (deg F) 95 500 50 55 55 55 55 55 55 55 55 55 55 5	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.56 108.70 Ga	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static pw (1) ((1) pw (2) (2) -static
120 1000 1	Star Star Star Star Star Star Star Recovery Description Tr oil MCW TrO 81% W 8	539 Temperature 539 Temperature 539 Temperature 539 Temperature 530 Te	Tampont/Jan (deg F) 95 500 50 55 55 55 55 55 55 55 55 55 55 5	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.56 108.70 Ga	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static pw (1) ((1) pw (2) (2) -static
120 1000 170 1000 170 1000 170 100	Star Star Star Star Star Star Star Recovery Description Tr oil MCW TrO 81% W 8	539 Temperature 539 Temperature 539 Temperature 539 Temperature 530 Te	Tampont/Jan (deg F) 95 500 50 55 55 55 55 55 55 55 55 55 55 5	(Min.) 0 2 32 77 77 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.56 108.70 Ga	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static pw (1) ((1) pw (2) (2) -static

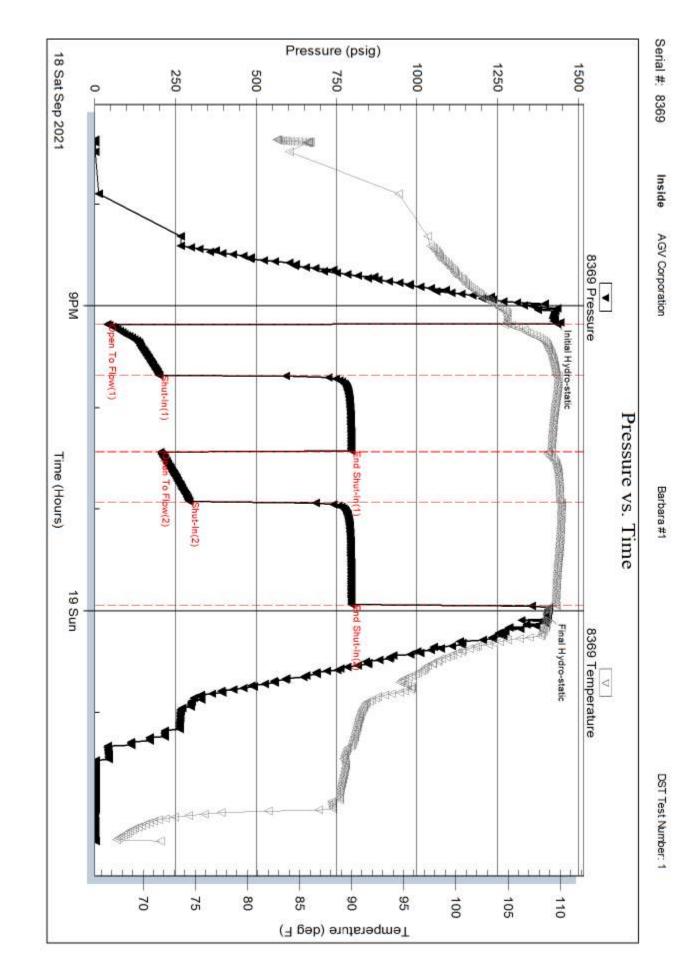
	DRILL STEM TES	T REPO	DRT		
	AGV Corporation		8/26S/3E	Butler, KS	
TESTING, IN	123 North Main P.O. Box 377 Attica,KS 67009-0377 ATTN: Kent Roberts		<b>Barbara #</b> Job Ticket: 6 Test Start: 2		<b>DST#: 1</b> 9 19:22:00
GENERAL INFORMATION:					
Formation:MississippianDeviated:NoWhipstock:Time Tool Opened:21:10:50Time Test Ended:02:15:50	ft (KB)		Test Type: Tester: Unit No:	Conventiona Jimmy Ricke 80	al Bottom Hole (Initial) tts
Interval:2808.00 ft (KB) ToTotal Depth:2822.00 ft (KB) (Hole Diameter:7.88 inchesH			Reference E KE	evations: to GR/CF:	1351.00 ft (KB) 1342.00 ft (CF) 9.00 ft
Start Date: 2021.09.18 Start Time: 19:22:07 TEST COMMENT: IF - Weak blow	End Time:			o build to 26 ir	
Pressure v			PRESSU	IRE SUMM	ARY
394 Sp. 221 Time (ho	10 10 10 10 10 10 10 10 10 10	Time (Min.)	Pressure Temp (psig) (deg F	Annotatio	Dn
Recover	1		G	as Rates	
Length (ft)         Description           590.00         Tr oil MCW TrO 81% W           1.00         Clean Oil 100% O	Volume (bbl) & 19% M 6.06 0.01		Сһоке	(inches) Pressu	re (psig) Gas Rate (Mcf/d)

DRILL STERNTEST REPORT       FLUID SUMMA         AGV Corporation       8/26S/3E Butler, KS         123 North Main       Barbara #1         P.O. Box 377       Job Ticket: 67137         ATTN: Kent Roberts       Test Start: 2021.09.18 @ 19:22:00         Mud and Cushion Information       Mud Yppe: Gel Chem         Mud Yppe: Gel Chem       Cushion Type:         Viscosity:       47.00 sec/qt         Viscosity:       47.00 sec/qt         Viscosity:       ohn.nm         Gas Cushion Type:       Bob         Resistivity:       ohn.nm         Gas Cushion Pressure:       psig         Salinity:       ppm         Filter Cake:       inches         Recovery Information         Length         Description       Volume         bol       S90.00       Tr oil MCW TrO 81% W & 19% M       6.063         1.00       Clean Oil 100% O       0.014       Serial #:         Laboratory Name:       Laboratory Location:       Recovery Comments:	10 DA		DRII	L STEM TEST REPO	RT	F	LUID SUMMAR
P.O. Box 377 Attica,KS 67009-0377 ATTN: Kent Roberts       Job Ticket: 67137       DST#: 1         Mud and Cushion Information       Test Start: 2021.09.18 @ 19:22:00         Mud Type: Gel Chem       Cushion Type:       Oil API:       deg AF         Mud Weight:       10.00 lb/gal       Cushion Length:       ft       Water Salinity:       30000 ppm         Viscosity:       47.00 sec/qt       Cushion Volume:       bbl       bbl       Salinity:       30000 ppm         Water Loss:       in³       Gas Cushion Pressure:       psig       Salinity:       solid API:       solid API:			AGV Co	orporation	8/26S/3	E Butler, KS	
Attica,KS 67009-0377 ATTN: Kent Roberts     Job Ticket: 6/137     DST#:1       Mud and Cushion Information     Test Start: 2021.09.18 @ 19:22:00       Mud Type: Gel Chem     Cushion Type:     Oil API:     deg AF       Mud Weight:     10.00 lb/gal     Cushion Length:     ft     Water Salinity:     30000 ppm       Viscosity:     47.00 sec/qt     Cushion Volume:     bbl     bbl     Water Loss:     in³     Gas Cushion Type:       Resistivity:     ohm.m     Gas Cushion Pressure:     psig     salinity:     salinity:     salinity:     ppm       Filter Cake:     inches     Ecovery Table     Ecovery Table     Length     Description     Volume       ft     590.00     Tr oil MCW TrO 81% W & 19% M     6.063     0.014       Total Length:     591.00 ft     Total Volume:     6.077 bbl       Num Fluid Samples: 0     Num Gas Bombs:     0     Serial #:		ESTING , INC.	123 Nor	th Main	Barbara	a #1	
ATTN: Kent Roberts       Test Start: 2021.09.18 @ 19:22:00         Mud and Cushion Information          Mud Type: Gel Chem       Cushion Type:       Oil API: deg AF         Mud Weight:       10.00 lb/gal       Cushion Length:       ft       Water Salinity:       30000 ppm         Viscosity:       47.00 sec/qt       Cushion Volume:       bbl       bbl         Water Loss:       in³       Gas Cushion Type:       psig         Resistivity:       ohm.m       Gas Cushion Pressure:       psig         Salinity:       ppm       Filter Cake:       inches         Recovery Information         Volume         Length       Description         ft       Description       Volume         bbl       590.00       Tr oil MCW TrO 81% W & 19% M       6.063         1.00       Clean Oil 100% O       0.014       0.014         Total Length       591.00 ft       Total Volume:       6.077 bbl         Num Fluid Samples: 0       Num Gas Bombs: 0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:					Job Ticke	t: 67137	DST#:1
Mud Type: Gel Chem Cushion Type: Oil API: deg AF Mud Weight: 10.00 lb/gal Cushion Length: ft Water Salinity: 30000 ppm Viscosity: 47.00 sec/qt Cushion Volume: bbl Water Loss: in <sup>3</sup> Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: ppm Filter Cake: inches Recovery Information Recovery Table Length Description Volume ft Description Volume bbl 590.00 Tr oil MCW TrO 81% W & 19% M 6.063 1.00 Clean Oil 100% O 0.014 Total Length: 591.00 ft Total Volume: 6.077 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	<b>N</b> 57				Test Star	: 2021.09.18 @ 19	):22:00
Mud Weight: 10.00 lb/gal Cushion Length: ft Water Salinity: 30000 ppm Viscosity: 47.00 sec/qt Cushion Volume: bbl Water Loss: in <sup>3</sup> Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: ppm Filter Cake: inches Recovery Information Recovery Information Elength Description Volume bbl 590.00 Tr oil MCW TrO 81% W & 19% M 6.063 1.00 Clean Oil 100% O 0.014 Total Length: 591.00 ft Total Volume: 6.077 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	Mud and Cu	Ishion Information					
Mud Weight: 10.00 lb/gal Cushion Length: ft Water Salinity: 30000 pm Viscosity: 47.00 sec/qt Cushion Volume: bbl Water Loss: in <sup>3</sup> Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: ppm Filter Cake: inches Recovery Information Recovery Table Length Description Volume bbl 590.00 Tr oil MCW TrO 81% W & 19% M 6.063 1.00 Clean Oil 100% O 0.014 Total Length: 591.00 ft Total Volume: 6.077 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	Mud Type: Ge	el Chem		Cushion Type:		Oil API:	deg API
Water Loss:       in ³       Gas Cushion Type:         Resistivity:       ohm.m       Gas Cushion Pressure:       psig         Salinity:       ppm         Filter Cake:       inches         Recovery Information         Recovery Information         Volume ft         Description         Volume bbl         Total Length:       591.00 ft         Total Volume:       6.077 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:        Serial #:		10.00 lb/gal			ft	Water Salinity:	•
Water Loss:       in <sup>3</sup> Gas Cushion Type:         Resistivity:       ohm.m       Gas Cushion Pressure:       psig         Salinity:       ppm         Filter Cake:       inches         Recovery Information         Volume         Filter Cake:         Recovery Information         Volume         Filter Cake:         Covery Table         Length         Description         Volume       bbl         590.00         Tr oil MCW TrO 81% W & 19% M       6.063         1.00       Clean Oil 100% O       0.014         Total Length:       591.00 ft         Total Volume:       6.077 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:	-			-	bbl		
Resistivity:       ohm.m       Gas Cushion Pressure:       psig         Salinity:       ppm         Filter Cake:       inches         Recovery Information         Recovery Table         Length       Description       Volume bbl         590.00       Tr oil MCW TrO 81% W & 19% M       6.063         1.00       Clean Oil 100% O       0.014         Total Length:       591.00 ft       Total Volume:       6.077 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Laboratory Location:	•			Gas Cushion Type:			
Salinity: ppm Filter Cake: inches Recovery Information Recovery Table Length Description Volume bbl 590.00 Tr oil MCW TrO 81% W & 19% M 6.063 1.00 Clean Oil 100% O 0.014 Total Length: 591.00 ft Total Volume: 6.077 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	Resistivity:	ohm.m			psig		
Recovery Table         Length       Description       Volume         ft       0       0         590.00       Tr oil MCW TrO 81% W & 19% M       6.063         1.00       Clean Oil 100% O       0.014         Total Length: 591.00 ft       Total Volume: 6.077 bbl         Num Fluid Samples: 0       Num Gas Bombs: 0       Serial #:         Laboratory Name:       Laboratory Location:	Salinity:	ppm					
Recovery Table         Length       Description       Volume         ft       Description       0         590.00       Tr oil MCW TrO 81% W & 19% M       6.063         1.00       Clean Oil 100% O       0.014         Total Length:       591.00 ft       Total Volume:       6.077 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Eaboratory Location:	Filter Cake:	inches					
Laboratory Name: Laboratory Location:		Total Length:	590.00 1.00 591.0	Description Tr oil MCW TrO 81% W & 19% M Clean Oil 100% O 00 ft Total Volume: 6.077 I	bbl 6. 0.	063 014	
		Laboratory Nan	ne:		Seria	al #:	

Printed: 2021.09.19 @ 05:17:44

Ref. No: 67137

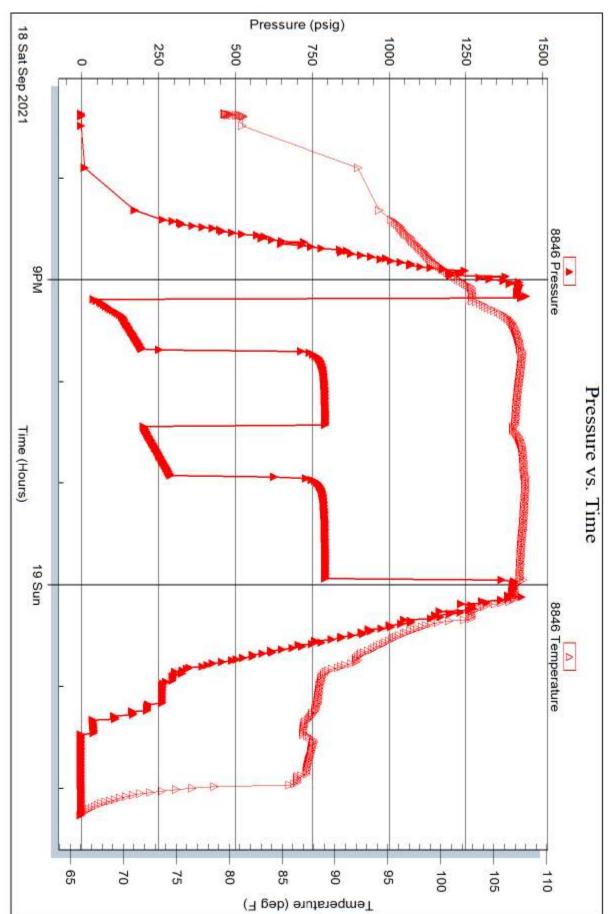




Printed: 2021.09.19 @ 05:17:45

Ref. No: 67137

Trilobite Testing, Inc



Outside AGV Corporation

Serial #: 8846

Barbara #1

DST Test Number: 1

	DRILL STEM TE	ST REP	ORT			
	AGV Corporation		8/26S	/3E Butle	r, KS	
TESTING , INC	123 North Main P.O. Box 377 Attica,KS 67009-0377 ATTN: Kent Roberts			ket: 67138	<b>DST</b> 9.21 @ 15:20:00	
GENERAL INFORMATION:						
Formation:Lower SimpsonDeviated:NoWhipstock:Time Tool Opened:17:33:00Time Test Ended:22:32:00	ft (KB)		Test Ty Tester: Unit No	Jimm	entional Straddle y Ricketts	e (Initial)
Interval:3220.00 ft (KB) To32Total Depth:3338.00 ft (KB) (TVHole Diameter:7.88 inches Hole	′D)		Refere	nce ⊟evatio KB to GF	1342.	00 ft (KB) 00 ft (CF) 00 ft
Press@RunDepth:       110.44 psig         Start Date:       2021.09.21         Start Time:       15:20:01         TEST COMMENT:       IF - Weak blow b         FF - Weak blow b	End Date: End Time:				8000. 1899.12. .09.21 @ 17:27: .09.21 @ 20:12:	30
Pressure vs. Tr			PRE	SSURE S	UMMARY	
1 he Sp221	563 Temponare 190 190 190 190 190 190 190 190	Time (Min.) 0 6 36 80 81 111 111 156 165	(psig)         (c           1608.03         1           23.33         1           71.36         1           1294.24         1           72.95         1           110.44         1           1281.12         1	deg F)         I           10.85         Initia           10.10         Ope           10.65         Shu           11.24         Enco           10.55         Ope           11.09         Shu           11.93         Enco	nnotation al Hydro-static en To Flow (1) ut-In(1) I Shut-In(1) en To Flow (2) ut-In(2) I Shut-In(2) al Hydro-static	
Recovery				Gas Ra	ates	
Length (ft)     Description       185.00     Drilling Mud 100% M	Volume (bbl) 0.91			Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

ACV Corporation     8/28/3/E Butler, KS       Display     Display     Display     Display       Converting     Lower Simpson     Display       Deviation:     Size Conventional Straddle (hillal)     Test Transform       The Test Food     Operation:     Size Conventional Straddle (hillal)       The Test Food     Size Conventional Straddle (hillal)     Test Transform       The Test Food     Display     Big @ 273.00 ft (KB)     Copacity:     Bottoon:       Start Disc:     2380 ft (KB) (TVD)     Display     Display     Big @ 273.00 ft (KB)       Start Disc:     2380 ft (KB) (TVD)     Display     Display     Big @ 273.00 ft (KB)       Start Disc:     2380 ft (KB) (TVD)     Display     Display     Display       Start Disc:     200 ft (KB)     Display     Display     Display <th>RILOBITE</th> <th>DRILL STEM TES</th> <th>ST REPO</th> <th>ORT</th> <th></th> <th></th>	RILOBITE	DRILL STEM TES	ST REPO	ORT		
PO. Box 377 ATTN: Kent Roberts       Job Ticket: 67138       DST#; 2.         GENERAL INFORMATION:       Test Start: 2021.09.21 @ 15:20.00         Generation:       No Whipstock:       ft (KB)       Test Type:: Conventional Straddle (nitial)         Time Tool Openet:       7.330       Test Type:: Conventional Straddle (nitial)         Time Tool Openet:       7.330       Test:: Jimmy Roberts         Time Tool Openet:       7.330       Test:: Jimmy Roberts         Time Tool Openet:       7.381 Inches Hole Condition:       Fair         Reference Bevations:       1.351.00 ft (KB)         Total Dept::       3380.00 ft (KB) (TVD)       1342.00 ft (CF)         Her val::       3389.00 ft (KB) (TVD)       1342.00 ft (CF)         Serial #:       3399       Below (Straddle)       Reservers:         Press@RunDepth:       psig @ 3273.00 ft (KB)       Capacity::       8000.00 psig         Start Date:       2021.09.21       End Date:       2021.09.21       Last Calb::       1899.12.30         Start Date:       2021.09.21       End Time:       22.31.50       Time Off Btrr:         TEST COMMENT:       F- Weak blow building to 2 inches of w ater during Initial flow period.       Time (fg gr ft       Annotation         Monoure many       memoure       Time off Btrr		AGV Corporation		8/26S/3E	Butler, KS	6
GENERAL INFORMATION:         Formation:       Lower Simpson         Deviated:       No       Whipstock:       ft (KB)         Time Tool Opened:       17:33.00       Test Type:       Conventional Straddle (hitial)         Time Tool Opened:       17:33.00       Test Type:       Conventional Straddle (hitial)         Time Tool Opened:       17:33.00       Test Type:       Conventional Straddle (hitial)         Time Tool Opened:       17:33.00       Test Type:       Conventional Straddle (hitial)         Time Tool Opened:       17:33.00       Test Type:       Conventional Straddle (hitial)         Time Tool Opened:       17:33.00       Test Type:       Conventional Straddle (hitial)         Total Depth:       3338.00 ft (KB) (TVD)       Reference Elevations:       1351.00 ft (KB)         Serial #:       8369       Below (Straddle)       Capacity::       8000.00 psig         Start Date:       2021.09.21       Last Calib.:       1899.12.30         Start Time:       15.04.01       End Date:       2021.09.21       Last Calib.:       1899.12.30         Start Time:       15.04.01       End Date:       2021.09.21       Time Off Bitr:       Terme Off Bitr:         TEST COMMENT:       F- Weak blow buiding to 1 1/2 inches of w ater during final f	ESTING, INC	P.O. Box 377 Attica,KS 67009-0377		Job Ticket:	67138	_
Formation:       Lower Simpson         Deviate:       No       Whipstock:       ft (KB)       Test Type:       Conventional Straddle (Initial)         Time Tool Opened:       17:33:00       Tester::       Jimm Y Roketts:         Time Tool Opened:       22:32:00       Lint No::       80         Interval:       3220.00 ft (KB) To       3272.00 ft (KB) (TVD)       Reference Bevations::       1351.00 ft (KB)         Total Depth:       338.00 ft (KB) (TVD)       Reference Bevations::       1351.00 ft (KB)         Start Bate:       7.88 inchesHelcOndition:       Fair       KB to GR/CF:       9.00 ft         Serial #:       8360       Below (Straddle)       Capacity::       8000.00 psig         Press@RunDepth:       psig @       3273.00 ft (KB)       Capacity::       8000.00 psig         Start Date:       2021.09.21       End Date:       2021.09.21       Last Calib ::       1899.12.30         Start Time:       15:04:01       End Time:       22:31:50       Time Off Birn         TEST COMMENT:       F Weak blow building to 2 inches of w ater during Initial flow period.       Fr - Weak blow building to 1 1/2 inches of w ater during final flow period.         Time:       Time:       Time:       Time:       Gas Rates         Minitiant       Min	ulteral .	ATTN: Kent Roberts		Test Start:	2021.09.21 (	15:20:00
Deviated:       No       Whipstock:       ft (KB)       Test Type:       Conventional Straddle (Initial)         Time Test Ended:       22:32:00       Unit No:       80         Interval:       3220.00 ft (KB) To       3272.00 ft (KB) (TVD)       Reference Elevations:       1351.00 ft (KB)         Total Depth:       3338.00 ft (KB) (TVD)       1342.00 ft (KB)       1342.00 ft (KB)         Serial #:       3369       Below (Straddle)       Reference Elevations:       1351.00 ft (KB)         Sarat Date:       2021.09.21       End Date:       2021.09.21       Last Calib.:       1899.12.30         Start Date:       2021.09.21       End Date:       2021.09.21       Last Calib.:       1899.12.30         Start Time:       15:04-01       End Time:       22:31:50       Time Of Btm         TEST COMMENT:       F - Weak blow building to 1 1/2 inches of w ater during initial flow period.       FF - Weak blow building to 1 1/2 inches of w ater during final flow period.         FF - Weak blow       FF - Weak blow       Time of Btm       Time (Mn.)       Perssure (Temp)       Annotation         Model       Model       Model       Model       Gas Rates       Model       Model         Region       Model       Model       Model       Model       Model       Mode						
Total Depth:       3338.00 ft (KB) (TVD)       1342.00 ft (CF)         Hole Diameter:       7.88 inchesHole Condition: Fair       KB to GR/CF:       9.00 ft         Serial #: 8369       Below (Straddle)       Capacity:       8000.00 psig         Press@RunDepth:       psig @       3273.00 ft (KB)       8000.00 psig         Start Date:       2021.09.21       End Date:       2021.09.21         Start Time:       15:04:01       End Time:       22:31:50       Time On Btm:         TEST COMMENT:       F - Weak blow building to 2 inches of w ater during initial flow period.       FF - Weak blow building to 1 1/2 inches of w ater during final flow period.         FF - Weak blow building to 1 1/2 inches of w ater during final flow period.       Time       Temp       Annotation         final flow       period       Time       Temp       Annotation         final flow       period       Time       Gas Rates         ender       Execvery       Gas Rates       Execver (psig)       Gas Rate (psig)	Deviated: No Whipstock: Time Tool Opened: 17:33:00	ft (KB)		Tester:	Jimmy Rick	
Press@RunDepth: psig @ 3273.00 ft (KB) Capacity: 8000.00 psig Start Date: 2021.09.21 End Date: 2021.09.21 Last Calib.: 1899.12.30 Start Time: 15.04:01 End Time: 22:31:50 Time On Btm: Time Off Btm: TEST COMMENT: F - Weak blow building to 2 inches of w ater during initial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches of w ater during finial flow period. FF - Weak blow building to 1 1/2 inches flow period. FF - Weak blow building to 1 1/2 inches flow period. FF - Weak blow building to 1 1/2 inches flow period. FF - Weak blow building to 1 1/2 inches flow period. FF - Weak blow building to 1 1/2 inches flow period. FF - Weak blow building to 1 1/2 inches flow period. FF - Weak blow building to 1 1/2 inches flow period. FF - Weak blow building to 1 1/2 inches flow period. FF - Weak blow building to 1 1/2 inches flow period. FF - Weak blow building to 1 1/2 inches flow period.	Total Depth: 3338.00 ft (KB) (TV	D)				1342.00 ft (CF)
Image: set of the set of	Press@RunDepth:     psig       Start Date:     2021.09.21       Start Time:     15:04:01	<ul> <li>3273.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> <li>uilding to 2 inches of water durin</li> </ul>	22:31:50 g initial flow pe	Last Calib.: Time On Btm: Time Off Btm: riod.		
Imme				PRESSU	JRE SUMN	IARY
Length (ft)         Description         Volume (bbl)         Choke (inches)         Pressure (psig)         Gas Rate (Mcf/d)			(Min.)	· · ·		ion
Length (ft)         Description         Volume (bbl)         Choke (inches)         Pressure (psig)         Gas Rate (Mcf/d)	Recovery		'	G	as Rates	
				Chok	e (inches) Press	sure (psig) Gas Rate (Mcf/d)

10h	RILOBITE	DRI	LL STEM TEST R	EPORT			FLUID S	JMMARY
	<u> </u>	AGV C	Corporation		8/26S/3E	Butler, KS		
	ESTING , INC		orth Main		Barbara #	±1		
		P.O. Bo Attica	ox 377 KS 67009-0377		Job Ticket: 6	57138	DST#: 2	
			Kent Roberts		Test Start: 2	2021.09.21 @ ^	15:20:00	
Mud and C	ushion Information							
Mud Type: G	Gel Chem		Cushion Type:			Oil API:		deg API
Mud Weight:	10.00 lb/gal		Cushion Length:		ft	Water Salinity	:	ppm
Viscosity:	48.00 sec/qt		Cushion Volume:		bbl			
Water Loss:	in³		Gas Cushion Type:					
Resistivity:	ohm.m		Gas Cushion Pressure:		psig			
Salinity:	ppm							
Filter Cake:	inches							
Recovery I	nformation							
			Recovery Table					
	Leng ft	'n	Description		Volume bbl			
		185.00	Drilling Mud 100% M	_	0.910			
	Total Length:	185	.00 ft Total Volume:	0.910 bbl				

Num Gas Bombs: 0

Laboratory Location:

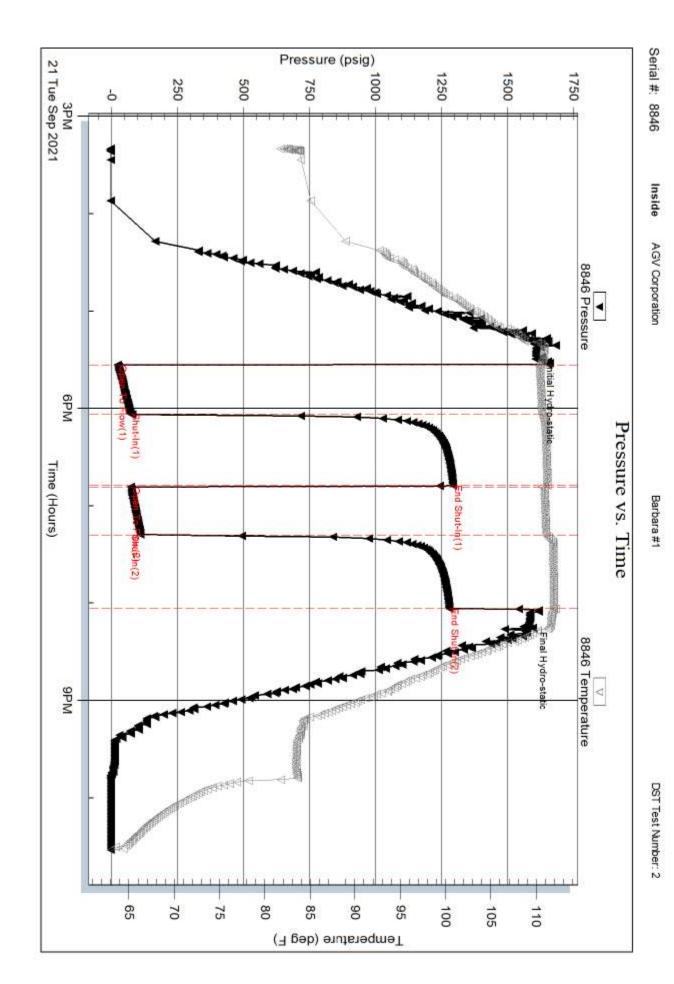
Serial #:

Num Fluid Samples: 0 Laboratory Name: Recovery Comments:

Printed: 2021.09.22 @ 07:22:07

Ref. No: 67138

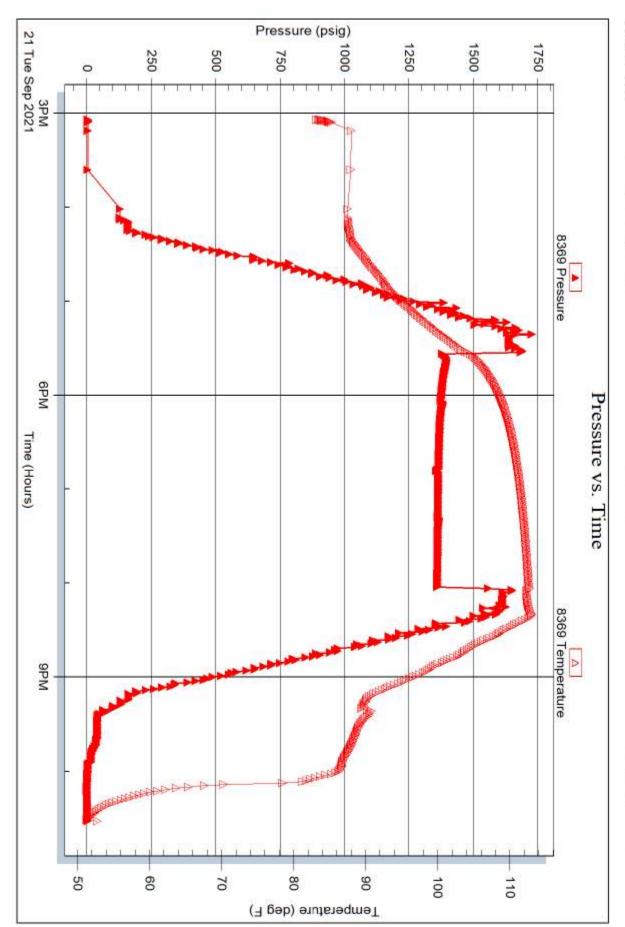
Trilobite Testing, Inc



Printed: 2021.09.22 @ 07:22:07

Ref. No: 67138

Trilobite Testing, Inc



Serial #: 8369

Below (Straddle Corporation

Barbara #1

DST Test Number: 2

## PLOTTED GEOLOGICAL LOG WellSight Systems

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

Well Name:	Barbara #1
Location:	Sec. 8-T26S-R3E
Licence Number:	API # 15-015-24153-00-00 Region: Butler Co., Kansas
Spud Date:	9/15/2021 Drilling Completed: 9/21/21
Surface Coordinates:	2310' FSL & 2110' FEL of Sec. 8-T26S-R3E
	NAD27 Lat. 37.802437, Long97.124207
Bottom Hole	Vertical
Coordinates:	
Ground Elevation (ft):	1342' K.B. Elevation (ft): 1351'
Logged Interval (ft):	2000' To: 3340' Total Depth (ft): 3340'
Formation:	Arbuckle
Type of Drilling Fluid:	Chemical Mud by Fud Mud
	Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.con

#### OPERATOR

Company: AGV CORP Address: P.O. Box 377 Attica, KS 67009

#### GEOLOGIST

Name: Kent Roberts Company: Roberts Resources, Inc. Address: P.O. Box 75187 Wichita, KS 67275 Ph: 316-215-1683

### INFORMATION

DRILLING CONTRACTOR: C&G Drilling

MUD TYPE: Chemical

DRILLING TIME KEPT FROM: 1700' to RTD

SAMPLES SAVED FROM: 2000' to RTD

SAMPLES EXAMINED FROM: 2000' to RTD

**GEOLOGICAL SUPERVISION FROM: 2000' to RTD** 

ELECTRICAL SURVEYS: CDL/CNL, DIL, MEL, BHCS by ELI

### CASING DATA

CONDUCTOR CASING: None

SURFACE CASING: 8-5/8 x 24# @ 218' KB

**PRODUCTION : None** 

DAILY ACTIVITY @ 0700 HRS 9/15/2021 7:30 AM, Drill Rat Hole. Spud Well @ 9:30 AM. Cut 12-1/4 hole to 221'. Ran 5 its New 8-5/8 x 24# casing, Tally 206.80' Set @ 218' KB. Elite cemented with 125 sacks Class A (2% gel, 3% CC, 1/4#/sack flo-seal @ 15 #/gal.) Displaced with 12.7 bbl water. Plug down 3:45 PM Cement did circulate. Wait on Cement. 9/16/2021 Depth 700'. Drilling Ahead. Drilled out under surface @ 12:30 AM 9/17/2021 Depth 2070'. Drilling Ahead. Mud Up @ 1850' 9/18/2021 Depth 2610'. Drilling Ahead. Made Bit trip at 2575'. Deviation 1 degree at 2575'. 9/19/2021 Depth 2900'. Drilling Ahead after DST #1Miss Osage from 2808' to 2822'. Test time 30-45-30-60. IF: Weak built to strong blow in 10 minutes that built to 26 inches of water. ISI: No blow. FF: Weak built to strong blow in 14 minutes that built to 21" of water. FSI: No blow. Recovered 1' of clean oil and 590' of Mud Cut Water with trace of oil (81% water, 19% mud) HP: 1423-1405, FP: 39-201 / 204-295. SIP 797-797. BHT = 110 degrees. Rw 0.248 @ 64 degress, Chlorides 30,000 9/20/2021 Depth 3094'. Drilling Ahead. Made Bit trip at 3027'. Deviation 2 degree at 3027 9/21/2021 Depth 3340'. RTD reached at 5:20 AM. Short trip, CTCH 7:30 AM, TOH and Run Open Hole Logs. DST #2 Lower Simpson Sand "Straddle Test" from 3220' to 3272'. Test time 30-45-30-45. IF: Weak building to 2 inches of water. ISI: No Blow. FF: Weak built to 1-1/2 inches of water. FSI: No Blow. Recovered 185' mud in drill collars, No show oil. HP: 1608-1582, FP:23-71 / 73-110. SIP 1294-1281. BHT =112 degrees.

BARBARA #1 - FORMATION TOPS

		San	nple	E- L	.og
Tops	KB=	1351			
Heebner		1766	-415	1764	-413
Lansing		2040	-689	2036	-685
Kansas City		2332	-981	2330	-979
Base / KC		2494	-1143	2492	-1141
Cong or Miss	з Тор	2770	-1419	2774	-1423
Miss Dolomit	e	2792	-1441	2790	-1439
Miss Osage		2815	-1464	2816	-1465
Kinderhook	Sh	3089	-1738	3088	-1737
Hunton		3145	-1794	3144	-1793
Simpson Sar	nd	3211	-1860	3201	-1850
Arbuckle		3267	-1916	3270	-1919
Total Depth		3340	-1989	3338	-1987

10x	RILOBITE	DRILL STEM TE	ST REP	ORT			
地		AGV Corporation		8/2	6 <b>S</b> /3E B	utler, KS	
翻	ESTING , INC	123 North Main		Ba	rbara #1	1	
		P.O. Box 377 Attica.KS 67009-0377		Job	Ticket: 67	137	DST#:1
(SV)		ATTN: Kent Roberts		Tes	t Start: 20	021.09.18 @ 19:	22:00
GENERAL	INFORMATION:						
Formation:	Mississippian						
Deviated:	No Whipstock:	ft (KB)					ttom Hole (Initial)
	pened: 21:10:50 nded: 02:15:50					Jimmy Ricketts 80	
nterval:	2808.00 ft (KB) To 28	322.00 ft (KB) (TVD)		Ref	erence Be	evations:	1351.00 ft (KB)
Total Depth:							1342.00 ft (CF)
lole Diamete	er: 7.88 inches Hole	e Condition: Fair			KB t	o GR/CF:	9.00 ft
Serial #:							
Press@Runi		•	0004 00 40	Capacity			8000.00 psig
Start Date: Start Time:	2021.09.18 19:22:01		2021.09.19 02:15:50	Last Cali Time On		189 2021.09.18 @ 2	9.12.30
	10.22.01			Time Off		2021.09.19 @ 0	
	Pressure vs. 1		es into final flow		Ĵ	E SUMMAR	
	Pressure vs. 1	imo	es into final flow		Ĵ		
			Time	Pi Pressure	RESSUF		
	Pressure vs. 1	imo		PI	RESSUF Temp (deg F)	RE SUMMAR	Y
500	Pressure vs. 1	ime All Frequence	Time (Min.) 0 2	Pressure (psig) 1423.12 39.24	RESSUR Temp (deg F) 104.95 104.66	RE SUMMAR Annotation Initial Hydro-st Open To Flow	Y
520	Pressure vs. 1	ime All Frequence	Time (Min.) 0 2 32	Pi Pressure (psig) 1423.12 39.24 200.66	RESSUR Temp (deg F) 104.95 104.66 109.63	RE SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1)	Y atic (1)
1000 - y	Pressure vs. 1	ime All Frequence	Time (Min.) 0 2 32 77	Pressure (psig) 1423.12 39.24	RESSUR Temp (deg F) 104.95 104.66 109.63 109.15	RE SUMMAR Annotation Initial Hydro-st Open To Flow	Y atic (1)
1000 - y	Pressure vs. 1	ime All Frequence	Time (Min.) 0 2 32 77	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73	RESSUR Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99	RE SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2)	Y atic (1) (2)
1000	Pressure vs. 1	ime All Frequence	Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUF Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99 109.56	RE SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2)	Y atic (1) (2)
1000 - y	Pressure vs. 1	ime All Frequence	Time (Min.) 0 2 32 77	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73	RESSUF Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99 109.56	RE SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2)	Y atic (1) (2)
1000 - y	Pressure vs. 1	ime All Frequence	Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUF Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99 109.56	RE SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2)	Y atic (1) (2)
-	Pressure vs. 1	ime All Frequence	Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUF Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99 109.56	RE SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2)	Y atic (1) (2)
		ime All Frequence	Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUF Temp (deg F) 104.95 104.66 109.63 109.15 108.90 109.99 109.56	RE SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2)	Y atic (1) (2)
	Pressure vs. 1		Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUR Temp (deg F) 104.85 104.66 109.63 109.15 108.90 109.99 109.56 108.70	RE SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-st	Y atic (1) (2)
			Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUR Temp (deg F) 104.85 104.66 109.63 109.15 108.90 109.99 109.56 108.70	E SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-st s Rates	Y atic (1) (2) atic
	Pressure vs. T	Simo Simo	Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUR Temp (deg F) 104.95 104.86 109.83 109.15 108.90 109.99 109.56 108.70 Ga	E SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-st s Rates	Y atic (1) (2) atic
and the state	Pressure vs. T	Simo Simo	Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUR Temp (deg F) 104.95 104.86 109.83 109.15 108.90 109.99 109.56 108.70 Ga	E SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-st s Rates	Y atic (1) (2) atic
300	Pressure vs. T	Sime Sime	Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUR Temp (deg F) 104.95 104.86 109.83 109.15 108.90 109.99 109.56 108.70 Ga	E SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-st s Rates	Y atic (1) (2) atic
500 (ft) 590.00	Pressure vs. T	Sime Sime	Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUR Temp (deg F) 104.95 104.86 109.83 109.15 108.90 109.99 109.56 108.70 Ga	E SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-st s Rates	Y atic (1) (2) atic
300 700 700 700 700 700 700 700	Pressure vs. T	Sime Sime	Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUR Temp (deg F) 104.95 104.86 109.83 109.15 108.90 109.99 109.56 108.70 Ga	E SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-st s Rates	Y atic (1) (2) atic
300	Pressure vs. T	Sime Sime	Time (Min.) 0 2 32 77 77 77 107 107 168	Pressure (psig) 1423.12 39.24 200.66 796.84 204.34 294.73 797.17	RESSUR Temp (deg F) 104.95 104.86 109.83 109.15 108.90 109.99 109.56 108.70 Ga	E SUMMAR Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-st s Rates	Y atic (1) (2) atic

RILOBITE	DRILL STEM TEST REPORT			/26S/3E Butler, KS		
TESTING, INC					-	
	123 North Main P.O. Box 377			rbara #1	-	
	Attica,KS 67009-0377		Job	Ticket: 67	138	DST#:2
	ATTN: Kent Roberts		Tes	t Start: 20	)21.09.21 @	15:20:00
GENERAL INFORMATION:						
Formation: LowerSimpson Deviated: No Whipstock:	5 (1 <b>7</b> 7)		-			
Deviated: No Whipstock: Time Tool Opened: 17:33:00	ft (KB)				Jimmy Ricket	l Straddle (Initial) tts
Time Test Ended: 22:32:00					80	
nterval: 3220.00 ft (KB) To 32	72.00 ft (KB) (TVD)		Ref	erence Be	evations:	1351.00 ft (KB)
Total Depth: 3338.00 ft (KB) (TV	(D)					1342.00 ft (CF)
Hole Diameter: 7.88 inches Hole	Condition: Fair			KB t	o GR/CF:	9.00 ft
Serial #: 8846 Inside						
Press@RunDepth: 110.44 psig (	-	0004 00 04	Capacity			8000.00 psig
Start Date: 2021.09.21 Start Time: 15:20:01	End Date: End Time:	2021.09.21 22:32:00	Last Cali Time On		2021.09.21 (	1899.12.30 @ 17:27:30
		22.02.00			2021.09.21 (	-
Presses vs. 16	_	Time	Piessure	Temp	RE SUMM/ Annotatio	
Presses vs. 16	ine		Pressure (psig) 1608.03 23.33 71.36 1294.24 72.95	Temp (deg F) 110.85 110.10 110.65 111.24 110.55 111.09 111.93		on o-static low (1) n(1) low (2) n(2)
	ine	Time (Min.) 0 6 36 80 81 111 111	Pressure (psig) 1608.03 23.33 71.36 1294.24 72.95 110.44 1281.12	Temp (deg F) 110.85 110.10 110.65 111.24 110.55 111.09 111.93	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-In Open To Fl Shut-In(2) End Shut-In	on o-static low (1) n(1) low (2) n(2)
		Time (Min.) 0 6 36 80 81 111 111	Pressure (psig) 1608.03 23.33 71.36 1294.24 72.95 110.44 1281.12	Temp (deg F) 110.85 110.10 110.65 111.24 110.55 111.09 111.93 111.64	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-In Open To Fl Shut-In(2) End Shut-In	on o-static low (1) n(1) low (2) n(2)
Presses vs. The second second		Time (Min.) 0 6 36 80 81 111 111	Pressure (psig) 1608.03 23.33 71.36 1294.24 72.95 110.44 1281.12	Temp (deg F) 110.85 110.10 110.65 111.24 110.55 111.09 111.93 111.84	Annotatio Initial Hydro Open To Fli Shut-In(1) End Shut-In Open To Fli Shut-In(2) End Shut-In Final Hydro	on o-static low (1) h(1) low (2) h(2) >-static
Pressues vs. The Millionenenenenenenenenenenenenenenenenenene		Time (Min.) 0 6 36 80 81 111 111	Pressure (psig) 1608.03 23.33 71.36 1294.24 72.95 110.44 1281.12	Temp (deg F) 110.85 110.10 110.65 111.24 110.55 111.09 111.93 111.84	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-In Open To Fl Shut-In(2) End Shut-In Final Hydro	on o-static low (1) h(1) low (2) h(2) >-static

## COMMENTS

After evaluating all information recorded on the Barbara #1 it was recommended to plug and abandon the well as a dry hole.

Respectfully Submitted,

Kent Roberts - Petroleum Geologist

