KOLAR Document ID: 1684013

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

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

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	_ API No.:					
Name:	Spot Description:					
Address 1:						
Address 2:	Feet from North / South Line of Section					
City: State: Zip:+	Feet from East / West Line of Section					
Contact Person:	Footages Calculated from Nearest Outside Section Corner:					
Phone: ()	□ NE □ NW □ SE □ SW					
CONTRACTOR: License #						
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)					
Wellsite Geologist:						
Purchaser:	County:					
Designate Type of Completion:	Lease Name: Well #:					
New Well Re-Entry Workover	Field Name:					
☐ Oil ☐ WSW ☐ SWD	Producing Formation:					
Gas DH EOR	Elevation: Ground: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth:					
☐ OG ☐ GSW						
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet					
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No					
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet					
Operator:	If Alternate II completion, cement circulated from:					
Well Name:	feet depth to:w/sx cmt.					
Original Comp. Date: Original Total Depth:	_					
□ Deepening □ Re-perf. □ Conv. to EOR □ Conv. to SWD □ Plug Back □ Liner □ Conv. to GSW □ Conv. to Produce	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)					
Commingled Permit #:	Chloride content:ppm Fluid volume:bbls					
☐ Commingled Permit #:	Dewatering method used:					
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					
Recompletion Date Recompletion Date	County: Permit #:					

AFFIDAVIT

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

Submitted Electronically

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

KOLAR Document ID: 1684013

Page Two

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

Form	ACO1 - Well Completion
Operator	HG Oil Holdings, LLC
Well Name	SOWERS 1-8
Doc ID	1684013

Tops

Name	Тор	Datum			
Top Anhydrite	2362	+646			
Base Anhydrite	2381	+627			
Topeka	3595	-587			
Heebner	3827	-819			
Toronto	3848	-840			
LKC	3878	-870			
ВКС	4212	-1204			
Marmaton	4268	-1260			
Pawnee	4352	-1344			
Cherokee Shale	4430	-1422			
Johnson Zone	4476	-1468			
Mississippi	4592	-1584			

Form	ACO1 - Well Completion
Operator	HG Oil Holdings, LLC
Well Name	SOWERS 1-8
Doc ID	1684013

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	263	H325	3%CC2% gel



Remit To: Hurricane Services, Inc. 250 N. Water, Suite 200 Wichita, KS 67202 316-303-9515

Customer:

HG OIL HOLDINGS LLC PO BOX 446 HOISINGTON, KS 67544

Invoice Date:	11/6/2022
Invoice #:	0364427
Lease Name:	Sowers
Well #:	1-8 (New)
County:	Logan, Ks
Job Number:	WP3601
District:	Oaklev

HRS/QTY	Rate	Total		
0.000	0.000	0.00		
200.000	22.500	4,500.00		
50.000	2.000	100.00		
100.000	4.000	400.00		
495.000	1.500	742.50		
1.000	1,000.000	1,000.00		
200.000	1.400	280.00		
1.000	275.000	275.00		
	0.000 200.000 50.000 100.000 495.000 1.000 200.000	0.000 0.000 200.000 22.500 50.000 2.000 100.000 4.000 495.000 1,500 1.000 1,000.000 200.000 1.400		

	-	
Total		7,297.50

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.



Customer	H. G. Oil Holdi	ngs		L	ease &	Well#	Sow	ers #1-8			MILES EN MARCHEN PAR LA PROPERTIE DE LA PROPER	Date		11/6/2022	
Service District	Oakley KS			С	ounty	& State	Log	an KS	Legals S/T/I	R 8-1	5S-34W	— Јођ#		11072022	
Job Type	Surface	4	PROD] INJ		-	SWD	New Well?	STATE OF THE PARTY	□No	Ticket#		WP 3601	
Equipment #	Driver		THE PERSON NAMED OF					lob Safe	ty Analysis - A Discu			The same of the sa	Management	THE COURT	
73	John	V	Hard hat	t			-	Gloves		Lockout		☐ Warning Si	ans & Flaggi	200	
230	Jose V	V	H2S Moi	nitor			1	ye Prote	ection		Permits	Fall Protect		ig	
205	Kale	V	Safety Fo	ootwear				Respirato	ry Protection	✓ Slip/Trip	✓ Slip/Trip/Fall Hazards ✓ Specific Job Sequence/Expectations				
		V	FRC/Pro	tective Cl	othing			Additiona	al Chemical/Acid PPE	✓ Overhea		✓ Muster Poi			
			Hearing	Protectio	n		VF	ire Extin	guisher	Addition	al concerns or	issues noted belo			
									Co	omments			THE PARTY OF THE P		
Product/ Service Code			D	escriptio	on				Unit of Measu	re Quantity				Net Amount	
CP015	H-325					WEST COLUMN			sack	200.0	00		T	\$4,500.0	
M015	Light Equipment	Mileage				į.			mi	50.0			1	\$100.0	
M010	Heavy Equipmen	nt Milea	је						mi	100.0	10			\$400.0	
M020	Ton Mileage								tm	495.0	0			\$742.5	
D010	Depth Charge: 0	'-500'							job	1.0	0			\$1,000.0	
C060	Cement Blending	g & Mixir	ng Service	е					sack	200.0	0			\$280.0	
R061	Service Supervis	sor							day	1.0	0			\$275.00	
														2-	
												1 1			
		~~~~													
										-	-				
-			+							ļ					
									1			-			
Custo	mer Section: On	the felle	wina anal	la baww	nule) vo		li materia	6 .					200000000000000000000000000000000000000		
Gustoi	mer Section. On	trie rollo	wing scal	ie now wo	oula yo	u rate F	turrica	ne Servi	ces Inc.?	1			Net:	\$7,297.50	
Bas	sed on this job, I	ow like	ly is it yo	n would	recon	mend	HSI to	a colloa	auo?	Total Taxable		Tax Rate:		$\geq \leq$	
Duo	-	****	Table 1	_	-			-	gue :	used on new we	lls to be sales ta		Sale Tax:	\$ -	
					Ц							customer provided determination if			
Un	likely 1 2	3	4 5	6	7	8	9	10	Extremely Likely	services and/or			Total:	\$ 7,297.50	
					100					HSI Repres	ontativo:	John Polley		Marie Company of the	
	ice unless Hurricani									1					

LEXING: Cash in advance unless Flurncane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and properly while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable serv

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X	CUSTOMER AUTHORIZATION SIGNATUR
	OCCIONALION ACTUONIZATION SIGNATUR



MENT TRI							
Customer	H. G. Oi	l Holdin	gs	Well:	Sowers #1-8	Ticket:	WP 3601
City, State:	Russell	Springs	s KS	County:	Logan KS	Date:	11/6/2022
Field Rep	Justin F	olfus		S-T-R:	8-15S-34W	Service:	Surface
			14 1				Odrade
Downhole	PERSONAL PROPERTY.	995		Calculated Si	urry - Lead	Calc	ulated Slurry - Tail
Hole Size:			31-17	Blend:	H-325	Blend:	
Hole Depth: Casing Size:				Weight:	14.8 ppg	Weight	ppg
casing Size: asing Depth:				Water / Sx:	6.9 gal / sx	Water / Sx:	gal / sx
ıbing / Liner:		in		Yield:	1.41 ft ³ / sx	Yield:	ft ³ / sx
Depth:		ft		Annular Bbls / Ft.:	0.0735 bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
ool / Packer:			1	Depth: Annular Volume:	263 ft	Depth:	ft
Tool Depth:		ft		Excess:	19.3 bbls	Annular Volume:	0 bbls
splacement:	15.5	bbls		Total Slurry:	50.2 bbls	Excess:	0.0111
		STAGE	TOTAL	Total Sacks:	200 sx	Total Slurry: Total Sacks:	0.0 bbls 0 sx
IME RATE	PSI	BBLs		REMARKS		rotal Sacks:	USX
:54 AM		-	3 1	Arrived on location			
:04 AM				Safety meeting			
:14 AM				Rigged up			
:35 AM			-	Casing on bottom		×	
42 AM				Circulated mud	- 4		
50 AM 3.2 54 AM 4.5	130.0	5.0	5.0	Water ahead			
:08 AM 4.1	400.0 200.0	15.5	55.2	Mixed 200 sacks H-325 c	ement @ 14.8 ppg		
12 AM	120.0	10.0	70.7	Begin displacement	ith 5 bblo/20		
:14 AM	.20.0		70.7	Washed up and rigged do	ith 5 bbls/20 sacks cement circu	nated to pit	
:45 AM			70.7	Left location	×1113		
			1			1	
		-					
-+							
		+					
	CREW			UNIT		SUMMARY	
Cementer:	John			73	Average Rate	Average Pressure	Total Fluid
np Operator:	Jose V			230	3.9 bpm	213 psi	71 bbls
Bulk #1:	Kale			205		I Zio pai	r siuu s
Bulk #2:							

ftv: 15-2021/01/25 mplv: 339-2022/10/05



Remit To: Hurricane Services, Inc. 250 N. Water, Suite 200 Wichita, KS 67202 316-303-9515

Customer:

HG OIL HOLDINGS LLC PO BOX 446

HOISINGTON, KS 67544

Invoice Date: 11/15/2022 Invoice #: 0364878 Lease Name: Sowers Well #: 1-8 County: Logan, Ks Job Number: WP3638 District: Oakley

Date/Description	HRS/QTY	Rate	Total					
PTA	0.000	0.000	0.00					
H-Plug	240.000	14.000	3,360.00					
Wooden plug 8 5/8"	1.000	175.000	175.00					
Light Eq Mileage	50.000	2.000	100.00					
Heavy Eq Mileage	100.000	4.000	400.00					
Ton Mileage	534.000	1.500	801.00					
Depth Charge 2001'-3000'	1.000	2,000.000	2,000.00					
Cement Blending & Mixing	240.000	1.400	336.00					
Service Supervisor	1.000	275.000	275.00					

-	
Total	7,912.67
Sales Tax:	465.67
Net Invoice	7,447.00

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Hurricane Services, Inc. 250 N. Water St., Suite #200 Wichita, KS 67202



I. G. Oil Holding Dakley KS TTA Driver ohn ose V	✓ PROD  ✓ Hard ha  ✓ H2S Mc  ✓ Safety F  ✓ FRC/Prc  ☐ Hearing	contact contac	unty & NJ		✓ Glo	KS VD b Safety oves e Protect	Legals S/T/R New Well? / Analysis - A Discus	Lockout/Ta	No & Safety Pr		v	/15/2022 VP 3638
Driver ohn ose V	✓ Hard ha ✓ H2S Mo ✓ Safety F	onitor cootwear	NJ thing	State	Jo Jo Glo	b Safety oves e Protec	New Well? / Analysis - A Discus	✓ YES sion of Hazards Lockout/Ta	No & Safety Pr	Ticket#		
Driver ohn ose V	✓ Hard ha ✓ H2S Mo ✓ Safety F	nt onitor ootwear otective Clo	thing		Jo Glo Eye	b Safety oves e Protec		sion of Hazards	& Safety Pr	ocedures		
ohn ose V	✓ H2S Mc ✓ Safety F ✓ FRC/Pro	onitor ootwear otective Clo			✓ Glo	oves e Protec		Lockout/Ta				
ose V	✓ H2S Mc ✓ Safety F ✓ FRC/Pro	onitor ootwear otective Clo			☑ Eye	e Protec	tion	The state of the s				
	✓ Safety F	ootwear otective Clo			Re			Required P	-	☐ Warning Sign		3
aie	FRC/Pro	tective Clo					y Protection	✓ Slip/Trip/F				
							Chemical/Acid PPE	Overhead I		✓ Specific Job  ✓ Muster Point	Assessment of the second	
		11010000	Andrews and the second		X 35 10 15	e Exting				issues noted below		ations
				-				nments	CONCERNS OF	issues noted below	None Vision II Annual Committee was	
		Descriptio	ì				Unit of Measure	Quantity				Net Amou
-Plug A			***************************************			Mark Carlings	sack	240.00				\$3,360
5/8" Wooden Plu	ıg						ea	1.00				\$175
ight Equipment M	lileage						mi	50.00				\$100
eavy Equipment	Mileage						mi	100.00				\$400
on Mileage							tm	534.00				\$801
epth Charge: 200	01'-3000'						job	1.00				\$2,000
ement Blending	& Mixing Servi	ce	0.0000000000000000000000000000000000000				sack	240,00				\$336
ervice Superviso	r						day	1.00				\$275
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						SMERICAN						MATERIAL PROPERTY AND ADDRESS OF THE PARTY AND
er Section: On t	he following so	ale how wo	uld you	ı rate l	Hurrican	e Servi	ces Inc.?				Net:	\$7,447
d on this job by	w likely is it	vou would	racom	mond	LISI to	collea	auo?		<del></del>	Tax Rate:		$\sim$
							guer	used on new well Hurricane Service	s to be sales to s relies on the	ax exempt. customer provided	Sale Tax:	\$
ely 1 2	3 4	5 6	7	8	9	10	Extremely Likely	services and/or p	oducts are tax	exempt.	Total:	\$ 7,447
				-wassing out						John Polley		
lomer hereby agree	es to pay all fees	directly or in	directly	incurre	d for suc	h collect	on. In the event that Cus	tomer's account w	th HSI become	es delinquent, HSI ha	s the right to re	evoke any disco
s not include feder	al, state, or loca	l taxes, or ro	yalties a	and stat	ed price	adjustme	ents. Actual charges may	vary depending up	on time, equip	ment, and material u	ltimately requir	ed to perform th
	er Section: On to do not this job, he level 1 2  e unless Hurricane tierest on the balan comer here thought a comer to the	-Plug A  5/8" Wooden Plug  ght Equipment Mileage eavy Equipment Mileage on Mileage epth Charge: 2001'-3000' ement Blending & Mixing Servi ervice Supervisor  er Section: On the following so d on this job, how likely is it is due to the balance past due at It tomer hereby agrees to pay all fees ing at net invoice price. Upon revo is not include federal, state, or loce based on 30 days net payment to loce to concerning the results form the use	-Plug A  5/8" Wooden Plug  ght Equipment Mileage eavy Equipment Mileage on Mileage epth Charge: 2001'-3000' ement Blending & Mixing Service ervice Supervisor  er Section: On the following scale how wo d on this job, how likely is it you would  d l l l l l l l l l l l l l l l l l	5/8" Wooden Plug  ght Equipment Mileage eavy Equipment Mileage on Mileage epth Charge: 2001'-3000' ement Blending & Mixing Service ervice Supervisor  er Section: On the following scale how would you d on this job, how likely is it you would recom level 1 2 3 4 5 6 7  e unless Hurricane Services Inc. (HSI) has approved or lerest on the balance past due at the rate of 1 1 1/% per tomer hereby agrees to pay all fees directly or indirectly ing at net invoice price. Upon revocation, the full invoices not include federal, state, or local taxes, or royalties in based on 30 days net payment terms or cash. DISCL/ based on 30 days net payment terms or cash. DISCL/ based on 30 days net payment terms or cash. DISCL/ concerning the results from the use of any product or se	Plug A  5/8" Wooden Plug  ght Equipment Mileage eavy Equipment Mileage on Mileage epth Charge: 2001'-3000' ement Blending & Mixing Service ervice Supervisor  er Section: On the following scale how would you rate if d on this job, how likely is it you would recommend	Plug A  5/8" Wooden Plug  ght Equipment Mileage eavy Equipment Mileage on Mileage epth Charge: 2001'-3000' ement Blending & Mixing Service ervice Supervisor  er Section: On the following scale how would you rate Hurrican d on this job, how likely is it you would recommend HSI to a  d on this job, how likely is it you would recommend HSI to a  et al.                        et y 1 2 3 4 5 6 7 8 9  et unless Hurricane Services Inc. (HSI) has approved credit prior to sale leterest on the balance past due at the rate of 1 ½% per month or the momer hereby agrees to pay all fees directly or indirectly incurred for suc ing at net invoice price. Upon revocation, the full invoice price without or is not include federal, state, or local taxes, or royalties and stated price based on 30 days net payment terms or cash. <u>DISCLAIMER NOTICE</u> concerning the results form the use of any product or service. The inform	Plug A  5/8" Wooden Plug  ght Equipment Mileage eavy Equipment Mileage on Mileage epth Charge: 2001'-3000' ement Blending & Mixing Service ervice Supervisor  er Section: On the following scale how would you rate Hurricane Service d on this job, how likely is it you would recommend HSI to a collea	Plug A sack 5/8" Wooden Plug ea ght Equipment Mileage mi eavy Equipment Mileage mi on Mileage tm epth Charge: 2001'-3000' job ement Blending & Mixing Service sack ervice Supervisor day  er Section: On the following scale how would you rate Hurricane Services Inc.?  d on this job, how likely is it you would recommend HSI to a colleague?  or Very College of the section of the following scale how would you rate Hurricane Services Inc.?  d on this job, how likely is it you would recommend HSI to a colleague?  or Very College of the section of t	Plug A sack 240.00 5/8" Wooden Plug ea 1.00 ght Equipment Mileage mi 50.00 eavy Equipment Mileage mi 100.00 on Mileage tm 534.00 epith Charge: 2001'-3000' job 1.00 ement Blending & Mixing Service sack 240.00 ervice Supervisor day 1.00  ervice Supervisor day 1.00  er Section: On the following scale how would you rate Hurricane Services Inc.?  Total Taxable  er Section: On the following scale how would you rate Hurricane Services Inc.?  Total Taxable  State tax laws de used on new well Hurricane Service will end to colleague?  Laws and the service of the se	Plug A sack 240.00  5/8" Wooden Plug ea 1.00  ght Equipment Mileage mi 50.00  any Equipment Mileage mi 100.00  on Mileage tru 534.00  epht Charge: 2001-3000' job 1.00  ement Blending & Mixing Service sack 240.00  ement Blending & Mixing Service day 1.00  ement Blending & Mixing Service sack 240.00  for Section: On the following scale how would you rate Hurricane Services Inc.?  Total Taxable \$  Total Taxable \$  state tax laws doesn cartain pro used on new wells to be salest by the services and or products are tax by the services on the balance past due at the rate of 1 1% per month or the maximum allowable by applicable state or federal laws. In the event inomer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with H3l become for the profuse of the services of the profuse of the services and corporately the services may vary depending upon time, equip. Seaded on 30 days per payment terms or crash. IDSCAMERN ROTICE: Technical data is presented in good faith, but no warranjus state	Sign Wooden Plug  ea 1,00  ght Equipment Mileage  mi 50,00  mi 100,00  mem Blending & Mixing Service  sack 240,00  ervice Supervisor  day 1,00  mrice Supervisor  mrice Supervisor  day 1,00  mrice Supervisor  mrice Superviso	Size Wooden Plug ea

customer guarantees or proper operational care of all customer owned equipment and properly while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

CUSTOMER AUTHORIZATION SIGNATUR
OUCTOMEN ACTION CICHATON



CEMENT TR	EATMEN	IT REP	ORT				
Custome	н Н. G. O	l Holdin	gs	Well:	Sowers #1	-8 Ticket:	WP 3638
City, State	Russell	Springs	5	County:	Logan K		11/15/2022
Field Re	Justin			S-T-R:	8-15S-34V		PTA
		···			0.000.	. centaer	117
Downhole	Informati	on		Calculated SI	urry - Lead	Calc	ulated Slurry - Tail
Hole Size	7 7/8	in		Blend:	H-Plug A	Blend:	
Hole Depti		ft		Weight:	13.8 ppg	Weight:	ppg
Casing Size	<u> </u>	in		Water / Sx:	6.9 gal / sx	Water / Sx:	gal / sx
Casing Depti Tubing / Line	<u></u>	ft in		Yield:	1.42 ft ³ / sx	Yield:	ft³/sx
Depti	<u> </u>	ft		Annular Bbls / Ft.:	0.0406 bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Tool / Packe	<u> </u>	-		Depth: Annular Volume:	2370 ft 96.2 bbls	Depth: Annular Volume:	ft 0 bbls
Tool Depti	<u></u>	ft		Excess:	30.2 0015	Excess:	U DDIS
Displacemen	:	bbls		Total Slurry:	60.6 bbls	Total Slurry:	0.0 bbls
		STAGE	TOTAL	Total Sacks:	240 sx	Total Sacks:	0 sx
TIME RAT	E PSI	BBLs	BBLs	REMARKS			
7:23 PM		-		Arrived on location			
7:33 PM				Safety meeting			
7:43 PM	-			Rigged up			
9:06 PM 3.0	100.0	5.0	5.0	Water ahead			
9:09 PM 4.5 9:13 PM 3.0	350.0 100.0	12.6 5.0	17.6 22.6	Bush and Man West Service	A cement 13.8 ppg @ 2370'		
9:17 PM	100.0	5.0	22.6	Begin displacement  Pumped mud with rig pu	ımn for 1:45 minutes		
			22.6	1 uniped mad with rig pe	amp for 1,40 minutes		
10:16 PM 3.5	200.0	5.0	27.6	Water ahead	*		
10:18 PM 4.0	250.0	25.2	52.8	Mixed 100 sacks H-Plug	A cement 13.8 ppg @ 1200'		
10:25 PM 4.0	150.0	8.0	60.8	Begin displacement			
11:18 PM 3.2	150.0	5.0		Water ahead			
11:20 PM 4.0	250.0	12.6			A cement 13.8 ppg @ 310'		
11:24 PM 2.0	50.0	0.5		Begin displacement			
1:12 AM 2.0	50.0	2.5		Miyod 10 cacks H Plug	A coment 12 9 ppg with woods	on plug for top 40'	
1:17 AM 2.0	50.0	7.5			A cement 13.8 ppg with woode A cement 13.8 ppg for rat hole		
1:20 AM	1	7.5		Plug down	the pag for facilities	F3	
1:22 AM				Washed up and rigged of	lown		
1:44 AM				Left location			
					Tomas and allowering		
	CREW			UNIT		SUMMARY	
Cementer				73	Average Rate		Total Fluid
Pump Operator				208	3.2 bpm	155 psi	89 bbls
Bulk #1		•		205	5.2 Spin	100 hai	on mile
Bulk #2							

Marc A. Downing  Geologic Report  Consulting Petroleum  Coologist  Drilling Time and Sample Log	Drilling Contractor  Commenced  11-6-22  Samples Saved From  Drilling Time Kept From  Samples Everwined From  2600  To RTD  Samples Everwined From  2600  To RTD	ion 4.0.8.15 (www.grsi.ca)	Comment				8: 8: 8:8			09 9 3 8 8 3			s: 60 t: 8.9 DST #1 4183-4221 LKC L Zone 15-30-45-60 to 13"	ISI: No return to 28" FSI: No return to 28" FSI: No return REC: 10' MCW w oil spots on top top FPs: 40-129#138-295# SIPs: 1240-1224# HS: 2078-2043# BHT: 120 Chl: 46,000	yan Davis reneved marc.	DST #2 4277-4350 Altamont 30-30-30-30 IE: 3/4" blow ISI: No return F: Surface blow, died @ 15 min. FSI: No return REC: 30' Mud FPs: 24-32#/34-40# SIPs: 1263-1240# HS: 2171#-2093	BHT: 171	s: 72 t: 9.2	ote: arc Downing relieved _r an Davis @ 4456'				or sample quaility
Operator HG Oil Holdings, LLC   Elevation   KB   3008   DF   3006   GL   3003   Casing Record   Surface   8 5/8" @ 263'	Geological Supervision From 3600 To RTD  Summary and Recommendations	by GEOstrip VC Striplog versi TG, C1 - C5 Total Gas (units)	C1 (units) C2 (units) C3 (units) C4 (units) C5 (units)  T240 Imperial	Continuits) Contin			>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>		ft marker stopped	Total Gas (units) 200 (2 (units) 200 (2 (units) 200 (3 (units) 200 (1ighter received) 200 (1est 25 periors) 200 (Viv			;; > =	Ĭ. O	2 Q 4			\$\frac{1}{2}	Ž Ž Ž	Total Gas (mits) 200 C1 (units) 200 C2 (units) 200	CS (units) 200		
Field Wildcat	The Sowers #1-8 ran structurally high to the nearest producer on all formations. All significant shows were tested but had negative recoveries.  Due to DST recoveries and log evaluation, it was decided by all concerned parties to plug and abandon the test hole.	mst fw7> shale, gry shale, gry state, gry state, gry state, gry state, gry state, gry state, gry state state shale acarb shale carb shale both state shale both shale shale state shale state shale state shale shall sh	Geological Descriptions	NOTE: All sample tops are six to eight feet lowers than log tops.	LS: wht-tan, md xln, tot foss. Fr intxln por, chlky in prt. Totally barren, no od.  LS: wht-tan, md xln, foss in prt. Subxln-chlky, all NS.  Sh: gry  LS: wht-tan, fn-md xln, foss in prt, some sltly suc. Scat intxln por w/ fr amt subxln-chlky.  Totally barren, no od. Few pcs wht cht.  Sh: gry w/ brn  Sh: gry w/ brn  LS: wht, fn-md xln, suc in prt w/ few sml frag foss. Fr intxln por, subxln-chlky, NS.  LS: wht, fn-md xln, suc in prt w/ few sml frag foss. Fr intxln por, subxln-chlky, NS.  LS: wht, fn xln, few suc rx w/ sml frag foss ala. Subxln-chlky, trng dns w/ pr por. Totally barren, no od.	Sh: brn-red, silty. Trng gry w/ depth.  LS: wht, fn-md xln, subxln-chlkly w/ scat intxln por. Totally barren, no od, trng dns w/ pr por.  Sh: gry  LS: tan, md xln, mostly dns. 1 pc w/ hvy SFO in pr vug por, no od, rest barren.  Sh: Black Carb  LS: wht-tan, fn-md xln. Scat gd vug por w/ 23 rx fr stn and pr-fr SFO in por. Rest trng	LS: wht, fn-md xln, ool in prt, v chlky. Totally barren w/ no od, fr amt shp wht cht.  LS: wht-tan, fn xln w/ scat sml foss. Still much chlky rx w/ NS, no od.  LS: ala, trng tan, fn xln and dns. Scat tan cht, all NS.  Heebner 3834 (-826) Sh: Black Carb	Toronto 3855 (-847)  LS: wht, mostly fn xln, scat sml ool and sml frag foss. Some gd intxln por, abnt chlky rx w/ scat shp wht cht. Totally barren, no od.  Trng dns w/ pr por w/ depth.  Sh: brn-red, arg  LKC 3884 (-876)  LS: wht, some crm, fn xln, many tot ool. Scat int ool por, mostly v chlky. Totally barren, no od. Trng fn xln w/ less ool, no vis por and	Sh: brn-red, arg  LS: wht, fn xln, suc in prt w/ few sml foss. Fragd intxln por w/ few sml vugs, mostly v chlky.  1-2 rx w/ dead blk stn, rest barren, NSFO, no od.  Sh: It gry, soft  LS: wht, fn-md xln, suc in prt, w/ scat v sml ool. Scat fr-gd intxln por, abnt chlky rx. 1-2 rx w/ pr stn and spttd hvy SFO, rest totally barren, no od.  LS: trng less ool w/ abnt chlky rx ala. Totally barren, no od.	Sh: Black Carb Sh: gry LS: wht, md xln, few frag foss. Scat intxln por, mostly chlky. Totally barren, no od. Sh: drk gry LS: tan, md xln, foss, dns w/ pr por. Tmg wht, md xln, few sml foss, fr amt suc. 2-3 rx w/ pr uneven stn and pr hvy spttd SFO, rest chlky and barren. Fnt od. Few pcs gry cht. Sh: gry LS: wht, fn xln, suc in prt. Scat intxln por, trng v chlky. Totally barren, no od.	LS: wht, fn xln, suc w/ scat sml foss. Mostly pr por and dns w/ fr amt chlky rx. All NS.  LS: ala w/ scat sml vugs, inc amt chlky rx.  Totally barren, no od. Scat wht and gry cht.  Sh: Black Carb  Sh: gry  LS: wht, fn xln, mostly pr por and dns. Fr amt chlky rx w/ depth, all NS. Scat shp wht cht.  LS: mostly ala, rare intxln por in sltly suc rx, mostly subvachity.	Sh: Black Carb Sh: gry LS: trng tan-brn, fn xln w/ scat lrg foss. Few chlky rx, mostly dns w/ no vis por. Totally barren, no od. Sh: gry w/ scat blk carb. Trng lt grn, soft. LS: wht, fn-md xln, ool in prt. Scat gd ooc por w/ many chlky rx. Trng dns w/ no vis por, totally barren, no od.  Stark 4142 (-1134) Sh: Black Carb	Sh: gry LS: wht, md xln, foss. Scat intxln por w/ few sml vugs, 1-2 rx w/ pr blk stn, vhvy spttd SFO, no od. Rest frly chlky w/ NS. Scat shp wht cht.  Hushpuckney 4186 (-1178)	Sh: gry  LS: wht-tan, md xln, suc in prt. Fr intxln por w/ scat vugs. Fr-gd sat stn w/ gd SFO, sltly hvy. Fr od w/ dull-gr fluor. Inc amt barren chlky rx w/ depth.  BKC 4218 (-1210)  LS: tan-gry, brit, vf-kln, biosparite (wkst-pkst), ool ip, ti, v pr intxln por, chky, no stn, no odr, SH: gry-rd, fiss  LS: drk-lt tan, hd-brit, micro-fxln, biomicrite (wkst)-biosparite (pkst-grst), rextzd foss, occ ool, subsuc ip, mstly, ti in intxln por, no stn, no odr, SH: Bry-rd, fiss	LS: th-gry, hd-brit, micr-vfxln, dismicrite-biosparite (wkst-grst), rexlzd foss, v pr intxln por, v chky, no stn, no odr SLTST; th-brn, v fri clus, v chky/mddy, sli calc ip, no stn, no odor, SH: blk, carb, rd-gry, fiss  Marmaton 4271 (-1263)  LS: th-gry, mstly hd, vf-micrxln, dismicrite-biosparite (pkst), rexlzd foss, subsuc ip, no vis intxln por, no stn, no odr, abd SLTST: AA  Altamont 4283 (-1275)	SH: blk, carb, drk-lt gry, stl/mddy, slty ip, LS; tn-crm, mstly brit, vf xln, biosparite (pkst-grst), slty tex ip, v p intln por, no stn, no odr LS; lt-drk tn, sft-hd, vf-kln, mstly mddy/chky mtrx, biosparite (wkst-pkst), 1 pc w edg stn & vf xln w pr-fr intxln por, v fnt odr, dull min flor, NSFO 30 min- LS: tn,brn, gry, brit-hd, micr-vfxln, biomicrite (wkst)-biosparite (wkst-pkst), occ ool, ti, suc ip, v pr intxln por, chky, no stn, no odr SH; blk, carb, gry-grn, fiss-sft, LS; tn, crm, It gry, mstly hd, micr-fxln, mstly biomicrite (wkst-pkst), sme spry pcs, occ rexizd foss ip, v pr intxln por, abd chk, no stn, no odr	LS: th,crm-It brn, brit-hd, vf-fxln, mstty biomicrite(pkstwkst), subsuc ip, mstty pr intxln por, occ chky, no stn, no odr  30 min- LS: th-brn,ylw-grn, hd, micr-vfxln, biomicrite (wkst-grst) - biosparite (pkst), ti, suc ip, ? scat It brn stn, no odr, dull min flor, NSFO  Pawnee 4359 (-1351) SH; blk, carb, gry-brn, fiss-sft, LS; tan-buff, brit-hd, fmicrkln, biosparite (pkst-grst)-micrite, part rextzd foss, ool ip, pr intxln por, no stn, no odr  LS; tn-brn, hd, crp-vfxln, micrite-sme spry, dns, chty ip, no vis por, no stn, no odr	LS; tn-brn, mstly hd, micr-fxln, biomicrite (wkst) to biosparite (wkst), mstly dns, no vis por, sme chk, no stn, no odr, SH: drk-lt gry, blk, fiss  LS: It-drk tn, brn, hd, crp-micrxln, biomicrite (wkst), sme spry, mealy tex ip, dns, occ It gry trnsl shp vit chrt, no vis por, no stn, no odr  LS; It-drk tan, hd, crp-fxln, micrite-biospartite (wkst-pkst), subsuc-suc ip, occ pyr ind, v pr intxln por, CHT: drk gryblk, vit, conch, no stn, no odr  Fort Scott 4407 (-1399)  LS; tn-buff, hd-brit, micr-frxln, dismicrite-biomicrite (wkst-grst), ool ip, dns, subsuc-spry, v pr intxln por, no stn, no odr, SH: blk, carb	strks, dull min flor ip, v fit odor, NSFO LS; AA, incr micrite %, chty, sme vf xln pcs, sft, pr-fr intxln por, rare scat drk brn-blk spks, v fnt odr?, dull min flor, NSFO  Cherokee Sh 4434 (-1426)  LS: It-drk tn, hd, micr-vfxln, biomicrite(wkst-pkst), gran ip, dns, v pr intxln por, chky, no stn, no odr LS: tan-wht, carrying many chlky rx from above. 1-2 ool rx w/ brn stn and spttd SFO in pr intxln por. Fnt od, no fluor.	Sh: drk gry w/ fr amt blk  Sh: gry  Johnson Zone 4482 (-1474)  LS: 95% wht, fn xln, chlky w/ NS. 1 pc w/ pr stn and spttd SFO on edge when broken, no od, no fluor.  LS: tan, md xln, frag foss in prt. Mostly pr por and dns, scat chlky rx. 1 pc w/ pr stn and spttd SFO on break, no od. Fr amt shp tan-brn cht.	Sh: gry LS: 95% wht, fn xln, chlky w/ NS. Trng tanbrn, md xln foss. Dns w/ no vis por and NS. 1 pc with fr stn and sat w/ fr hvy SFO in pr intxln por, tite, poss carry from above? No od. Fr amt shp tan and brn cht. LS: wht-tan, fn-md xln. Scat foss and few ool. Pr por and dns w/ fr amt subxln-chlky rx. Totally barren, no od.	Morrow 4556 (-1548) Sh. Black Carb Sh. gry w/ It grn. Scat dirty ss clust, few pcs glauc. All NS. Sh. some ala, trng It gry w/ fr amt grn, v soft. Still carrying scat dirty ss clust. Still carrying scat dirty ss clust. SS: clr-wht, some dirty w/ milky mtx. Fn-vfn grain, well md, well soft. Gd IG por, friable, totally barren, no od. Mississippi 4598 (-1590)	LS: wht, mostly fn xln, sndy in prt. Many subxln-chlky rx, w/ scat foss tan-brn dns rx. Totally barren, no od.  LS: much ala, inc amount tan-brn dns foss rx. Fr amt drk sh, pr sample quality.  LS: ala  LS: much ala w/ inc amt subxln-chlky rx. Scat sndy pcs, totally barren, no od.  RTD 4655 (-1647)
BKC 4218 4212 -1204 +8  Marmaton 4271 4268 -1260 +1  Pawnee 4359 4352 -1344 +6  Cherokee Sh 4434 4430 -1422 +8		FOSSIL  † Coolite  † Coolite  DB Daily Repor  DB Daily Repor  DB Daily Repor  PR Daily Repor	Lithology Among Shows																				
Johnson Zone         4482         4476         -1468         +5           Mississippi         4598         4592         -1584         +13           Total Depth         4655         4655         -1647           Reference Well For Structural Comparison         Culbreath - Sowers #1-5         9236' FSL & 1398' FEL, Sec. 5-15s-34w	Respectfully Submitted,  Marc A. Downing		Cored Interval  DST Interval  DST Interval  DST Intervals	0 Gamma 150 3460 3460 0 Gamma 150 3490 3490 3490 3520 3520 3520 3520 3520 3550 1500 1500 1500 1500 1500 1500 150	3670	3720	38790	3850 CFS 38777 300 3880 3890	CFS 3905' 3910  CFS 3931' 3930  CFS 3931' 3930	CFS 3966' 3970 CFS 3983' 3980 CFS 3983' 3990 0 ROP (min/ft) 10 4000 0 Samma 150 4010	4020	4090 4100 4100 6FS 4142 4140	4150 4160 4170 5057#1 4180	CFS 4221' 4220	4240	4300	4330	4380	44430	4480 0 Red (min/it) 10 4500	4510	45600	4620



HG Oil Holdings, LLC

8 15s 34w Logan, Ks

211 SW 9th St Plainville, Ks 67663 Sowers #1-8

Job Ticket: 69453

DST#: 1

ATTN: Mark Downing / R Dav

Test Start: 2022.11.12 @ 16:21:00

# **GENERAL INFORMATION:**

Formation: LKC L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:56:15 Time Test Ended: 00:09:30

Interval: 4183.00 ft (KB) To 4221.00 ft (KB) (TVD)

Total Depth: 4221.00 ft (KB) (TVD)

Hole Diameter: 788.00 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Initial)

**Bradley Walter** 

Unit No: 78

Tester:

3008.00 ft (KB)

Reference ⊟evations:

3003.00 ft (CF) KB to GR/CF: 5.00 ft

Serial #: 8845 Outside

Press@RunDepth: 4184.00 ft (KB) 295.37 psig @

Start Date: 2022.11.12 End Date: Start Time: 16:21:05

End Time:

2022.11.13

Capacity: Last Calib.:

8000.00 psig 2022.11.13

00:09:29

Time On Btm: 2022.11.12 @ 18:56:00

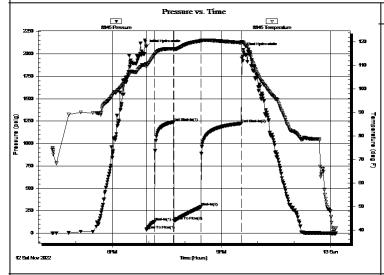
Time Off Btm:

2022.11.12 @ 21:36:15

TEST COMMENT: IF: BOB @ 10 min- 13"

ISI: No return.

FF: BOB @ 13 min. 28" FSI: No return. 15-30-45-60



Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2078.41	110.62	Initial Hydro-static
1	40.69	109.41	Open To Flow (1)
14	129.99	114.50	Shut-In(1)
46	1240.17	117.11	End Shut-In(1)
46	138.23	116.66	Open To Flow (2)
90	295.37	120.43	Shut-In(2)
157	1224.27	119.71	End Shut-In(2)
161	2043.43	119.73	Final Hydro-static

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)			
610.00	mcw 5m 95w (oil spots-top)	6.92			

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

Ref. No: 69453 Trilobite Testing, Inc Printed: 2022.11.13 @ 07:32:04



HG Oil Holdings, LLC

8 15s 34w Logan, Ks

211 SW 9th St

Sowers #1-8 Job Ticket: 69453

DST#: 1

Plainville, Ks 67663

ATTN: Mark Downing / R Dav

Test Start: 2022.11.12 @ 16:21:00

# **GENERAL INFORMATION:**

Formation: LKC L

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) Tester: **Bradley Walter** 

Time Tool Opened: 18:56:15 Time Test Ended: 00:09:30

Unit No: 78

Interval: 4183.00 ft (KB) To 4221.00 ft (KB) (TVD) Reference ⊟evations:

3008.00 ft (KB)

Total Depth: 4221.00 ft (KB) (TVD)

3003.00 ft (CF) 5.00 ft

Hole Diameter: 788.00 inches Hole Condition: Good KB to GR/CF:

Serial #: 8319

Inside

4184.00 ft (KB) psig @

2022.11.13

8000.00 psig

Press@RunDepth: Start Date:

2022.11.12

End Date:

Capacity: Last Calib.: Time On Btm:

2022.11.13

Start Time:

16:21:05

End Time:

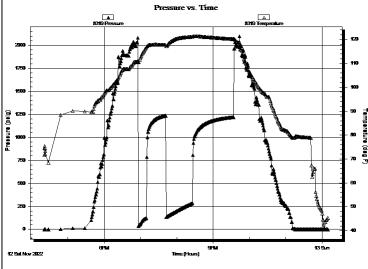
00:09:44

Time Off Btm:

TEST COMMENT: IF: BOB @ 10 min- 13"

ISI: No return.

FF: BOB @ 13 min. 28" FSI: No return. 15-30-45-60



### PRESSURE SUMMARY

1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	(14111.)	(poig)	(dog i )	
Tamparatura (dan F)				
(				
9				

### Recovery

Length (ft)	Length (ft) Description					
610.00	6.92					

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 69453 Printed: 2022.11.13 @ 07:32:04



**FLUID SUMMARY** 

HG Oil Holdings, LLC

8 15s 34w Logan, Ks

211 SW 9th St Plainville, Ks 67663 Sowers #1-8

Job Ticket: 69453

DST#: 1

ATTN: Mark Downing / R Dav

Test Start: 2022.11.12 @ 16:21:00

### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil API:0 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:46000 ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:60.00 sec/qtCushion Volume:bbl

Water Loss: 7.99 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3200.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

### Recovery Table

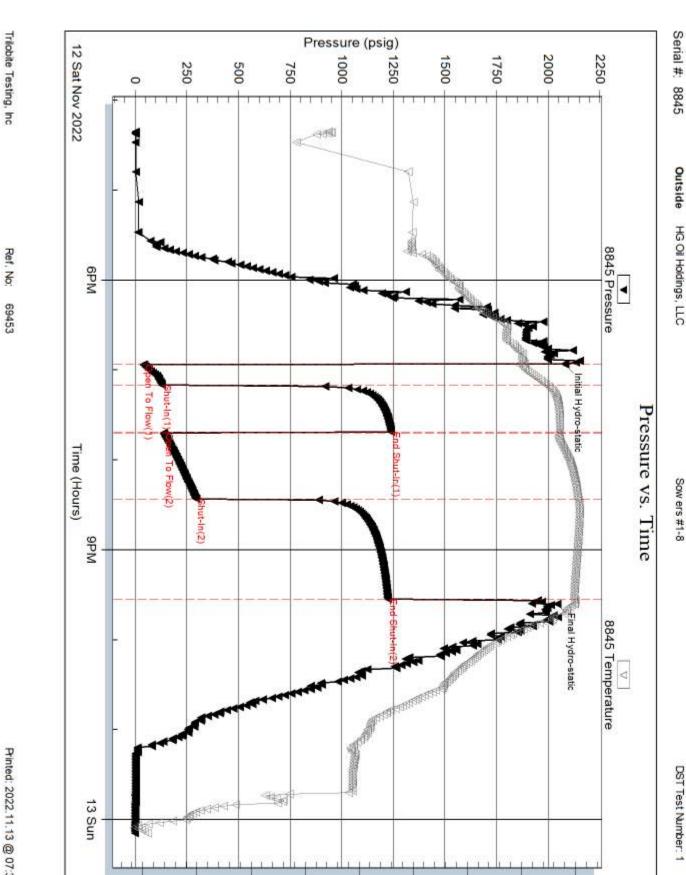
Length ft	Description	Volume bbl
610.00	mcw 5m 95w (oil spots- top)	6.917

Total Length: 610.00 ft Total Volume: 6.917 bbl

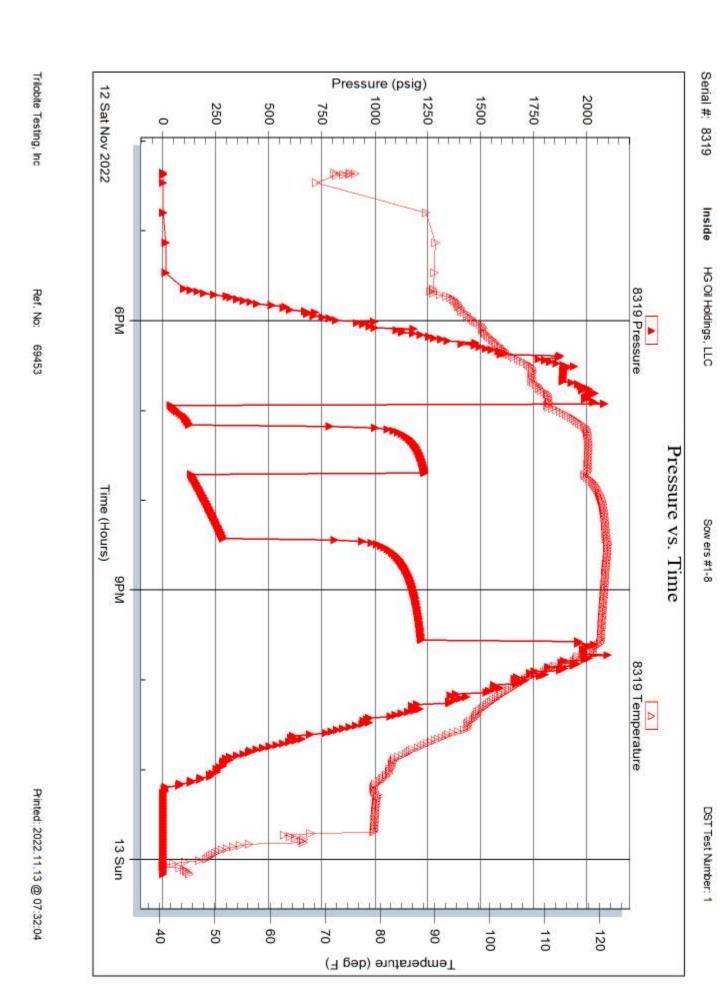
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location: Recovery Comments: rw is .250 @ 45F = 46000ppm

Trilobite Testing, Inc Ref. No: 69453 Printed: 2022.11.13 @ 07:32:04



Temperature (deg F)





HG Oil Holdings, LLC

8 15s 34w Logan, Ks

211 SW 9th St Plainville, Ks 67663 Sowers #1-8

Tester:

Job Ticket: 69454

Reference ⊟evations:

DST#: 2

ATTN: Mark Downing / R Dav

Test Start: 2022.11.13 @ 18:21:00

**Bradley Walter** 

# **GENERAL INFORMATION:**

Formation: Altamont

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

Time Tool Opened: 20:54:45 Time Test Ended: 01:53:15

Interval:

1:53:15 Unit No: 78

Total Depth: 4350.00 ft (KB) (TVD)

Hole Diameter: 788.00 inches Hole Condition: Good

4277.00 ft (KB) To 4350.00 ft (KB) (TVD)

3008.00 ft (KB) 3003.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319 Inside

Press@RunDepth: 40.97 psig @ 4278.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2022.11.13
 End Date:
 2022.11.14
 Last Calib.:
 2022.11.14

 Start Time:
 18:26:05
 End Time:
 01:58:14
 Time On Btm:
 2022.11.13 @ 20:59:30

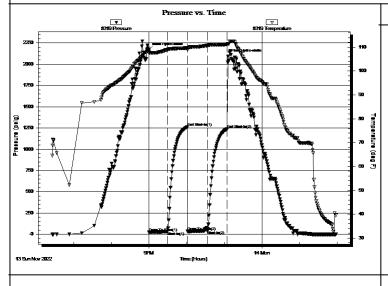
 Time Off Btm:
 2022.11.13 @ 23:05:45

TEST COMMENT: IF: 3/4" blow.

ISI: No return.

FF: Surface blow, died @ 15 min.

FSI: No return.



Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2171.23	108.27	Initial Hydro-static
	0400	407.70	O T- Fl (4)

PRESSURE SUMMARY

(	(80.9)	(==9./	
0	2171.23	108.27	Initial Hydro-static
1	24.06	107.70	Open To Flow (1)
30	32.36	108.99	Shut-In(1)
62	1263.59	109.70	End Shut-In(1)
62	34.85	109.06	Open To Flow (2)
94	40.97	110.71	Shut-In(2)
125	1240.16	111.19	End Shut-In(2)
127	2093.31	111.42	Final Hydro-static
	l		

Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud 100m	0.15
* Recovery from mult	tiple tests	•

Gas Rat	

Gas Rate (Mcf/d)

Choke (inches) Pressure (psig)

Trilobite Testing, Inc Ref. No: 69454 Printed: 2022.11.14 @ 07:43:05



HG Oil Holdings, LLC

8 15s 34w Logan, Ks

211 SW 9th St Plainville, Ks 67663 Sowers #1-8

Job Ticket: 69454 DST#: 2

78

ATTN: Mark Downing / R Dav

Test Start: 2022.11.13 @ 18:21:00

# **GENERAL INFORMATION:**

Formation: **Altamont** 

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

Time Tool Opened: 20:54:45 Time Test Ended: 01:53:15

Interval:

4277.00 ft (KB) To 4350.00 ft (KB) (TVD)

Total Depth: 4350.00 ft (KB) (TVD)

Hole Diameter: 788.00 inches Hole Condition: Good Tester: **Bradley Walter** Unit No:

Reference ⊟evations: 3008.00 ft (KB)

> KB to GR/CF: 5.00 ft

3003.00 ft (CF)

Serial #: 8845 Outside

Press@RunDepth: 4278.00 ft (KB) Capacity: 8000.00 psig psig @

Start Date: 2022.11.13 End Date: 2022.11.14 Last Calib.: 2022.11.14

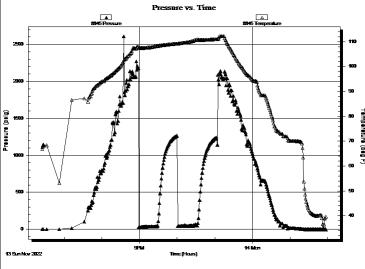
Start Time: 18:25:05 End Time: Time On Btm: 01:57:14 Time Off Btm:

TEST COMMENT: IF: 3/4" blow.

ISI: No return.

FF: Surface blow, died @ 15 min.

FSI: No return.



PRESSURE S	SUMMARY
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-	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	, uniocatori
	(101111.)	(psig)	(deg F)	
9				
₫				
Temperature (deg F)				
3				
5				
٠				

### Recovery

Length (ft)	Description	Volume (bbl)		
30.00	mud 100m	0.15		
* Recovery from multiple tests				

#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 69454 Printed: 2022.11.14 @ 07:43:05



**FLUID SUMMARY** 

HG Oil Holdings, LLC

8 15s 34w Logan, Ks

211 SW 9th St Plainville, Ks 67663 Sowers #1-8 Job Ticket: 69454

Serial #:

DST#: 2

Test Start: 2022.11.13 @ 18:21:00

**Mud and Cushion Information** 

0 deg API Mud Type: Gel Chem Cushion Type: Oil API: 0 ppm

Mud Weight: Cushion Length: 9.00 lb/gal ft Water Salinity:

ATTN: Mark Downing / R Dav

Viscosity: 68.00 sec/qt Cushion Volume: bbl

Water Loss: 87.92 in³ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

6500.00 ppm Salinity: Filter Cake: 1.00 inches

# **Recovery Information**

# Recovery Table

Length ft	Description	Volume bbl
30.00	mud 100m	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 69454 Printed: 2022.11.14 @ 07:43:06