KOLAR Document ID: 1735627

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:	SecTwpS. R East _ West
Address 2:	Feet from  North / South Line of Section
City: State: Zip:+	Feet from
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	County:
Purchaser:	·
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
☐ Oil ☐ WSW ☐ SWD ☐ Gas ☐ DH ☐ EOR	Producing Formation: Kelly Bushing:   Elevation: Ground: Kelly Bushing:   Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used? Yes No
Cathodic Other (Core, Expl., etc.):	If yes, show depth set: Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from:
Operator:	•
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 Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
	Quarter Sec TwpS. R EastWest
Spud Date or Date Reached TD Completion Date or 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: 1735627

#### Page Two

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

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	SCHROEDER 1-9
Doc ID	1735627

# All Electric Logs Run

Dual Comp Porosity
Dula Induction
Micro
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	SCHROEDER 1-9
Doc ID	1735627

# Tops

Name	Тор	Datum
Anhydrite	1537	817
Base	1569	785
Heebner	3920	-1566
Lansing	3979	-1625
ВКС	4371	-2017
Mrmaton	4397	-2043
Fort SCott	4531	-2177
Cherokee	4555	-2201
Miss Warsaw	4619	-2265
RTD	4775	-2421
LTD	4781	-2427

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	SCHROEDER 1-9
Doc ID	1735627

# 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	648	Class A	300	2%cc		
Production	7.875	5.5	15.5	4765	EA2		1/4flowsel e		

# Form 185-2N.2 QUASAR ENERGY SERVICES, INC. www.quasarenergyservices.com

# QUASAR ENERGY SERVICES, INC.

3288 FM 51

Gainesville, Texas 76240 Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

1				FRACTURING	ACID	CEMENT	I NIIR	OGEN	4	
BID #:	7722			<b>AFE#/PO#:</b> 0				1		A
TYPE / PU	RPOSE OF J	OB:	SURFACE			SERVICE POINT:	Liberal, KS			
CUSTOME	R: AM	RICAN	WARRIOR			WELL NAME:	SCHROEDER #	<b>‡</b> 1-9		
ADDRESS:	PO E	3OX 399	9			LOCATION:	JETMORE, KS			
CITY:	GAR	DEN CIT	TY	STATE: KS	ZIP: 67846			T		
DATE OF S			/2023	Perfora		to HO	ODGEMAN	STATE: KS		
QTY.	CODE	YD	UNIT	PUMPING AND EQ						
115	1000	L	Mile	Mileage - Pickup - I	Per Mile	.0		UNIT PRICE		NOUNT
230	1010	L	Mile	Mileage - Equipmen	t Mileage - Per	Mile		\$5.58	\$	641.7
1	5622	L	Per Well	Pumping Service CI	narne -1	IVIIIC		\$8.72	\$	2,005.6
1	6030	L	Per Well	Plug Container	raige i			\$2,315.25	\$	2,315.2
1	4780	L	Each	Guide Shoe 8 5/8'	,			\$347.29	\$	347.2
1	4880	L	Each					\$541.77	\$	541.7
1	4900	_		Insert Float 8 5/8"				\$416.75	\$	416.7
	4900	L	Each	Top Rubber Plug	3 5/8"			\$96.47	\$	96.4
					Sub	total for Pumping	& Equipmen	t Charges	\$	6,364.8
QTY.	CODE	YD	UNIT	MATERIALS				UNIT PRICE	ABS	OUNT
150	5635	L	Per Sack	Cement - Class A (L	B)			\$21.54		3,231.0
150	5638	L	Per Sack	Cement - Lite - A (LE	3)			\$21.54		3,231.0
3	5751	L	Per Gal.	C-41L Defoamer Liq	uid					
300	5770	L	Per Lb.	Calcium Chloride				\$48.63	\$	145.8
68	5800	L	Per Lb.	Cello Flakes-Poly Fla	ko 1/8" cut			\$1.53	\$	459.0
500	5890	L	Per Lb.	Salt	ake 1/0 Cut			\$2.78	\$	189.0
150	5900	L	Per Lb.						-	265 0
26	5950				(CN4C) O 45			\$0.53	\$	
20		1		C 54 FIAICA	(SMS) C-45			\$2.44	\$ \$	366.0
	3930	L	Per Lb.	C-51 FWCA	(SMS) C-45					366.0
	3930	L		C-51 FWCA	(SMS) C-45			\$2.44	\$	366.0
	3930	L		C-51 FWCA	(SMS) C-45			\$2.44	\$	366.0
			Per Lb.	C-51 FWCA	(SMS) C-45			\$2.44 \$11.95	\$	366.0
MA	NHOURS:	12	Per Lb.	C-51 FWCA	(SMS) C-45	Subtota	al for Materia	\$2.44 \$11.95	\$ \$	366.00 310.70
	NHOURS:	12	Per Lb.	C-51 FWCA			TO	\$2.44 \$11.95   Charges   TAL \$	\$ \$	366.00 310.70
KIRBY H	NHOURS:	12	Per Lb.	C-51 FWCA	(SMS) C-45	NT: 15%	DISCOL	\$2.44 \$11.95 I Charges TAL \$ JNT \$	\$ \$ 1-	265.00 366.00 310.70 <b>8,197.63</b> 4,562.46 2,184.37
KIRBY H.	NHOURS:	12	Per Lb.	C-51 FWCA		NT: 15%	TO	\$2.44 \$11.95 I Charges TAL \$ JNT \$	\$ \$ 1	366.0 310.7 8,197.63 4,562.46 2,184.37
KIRBY H. CARLOS MIGUEL MI	NHOURS:	12	Per Lb.	C-51 FWCA	DISCOU	NT: 15%  DISC  As of 9/22/15 any involve invoice date. After a provide will reflect full	DISCOUNTED TO Dice with a discour 60 days the distance.	\$2.44 \$11.95 I Charges TAL \$ JNT \$ TAL \$ Junt must paid with scount will be removed.	\$ \$ 1 1; hin 60 oved a	366.0 310.7 8,197.6: 4,562.4( 2,184.3) 2,378.09
KIRBY H. CARLOS MIGUEL MI	NHOURS: :  ARPER IBARRA ERCADO	12	Per Lb.	C-51 FWCA	DISCOU	NT: 15%  DISC  As of 9/22/15 any involve invoice date. After a provide will reflect full	DISCOUNTED TO Dice with a discour 60 days the distance.	\$2.44 \$11.95 I Charges TAL \$ JNT \$ TAL \$	\$ \$ 1 1; hin 60 oved a	366.0 310.7 8,197.6; 4,562.4 2,184.37 2,378.09

Print Name:



**CEMENTING JOB LOG** 

#### QUASAR ENERGY SERVICES, INC.

3288 FM 51

Gainesville, Texas 76240 Office: 940-612-3336

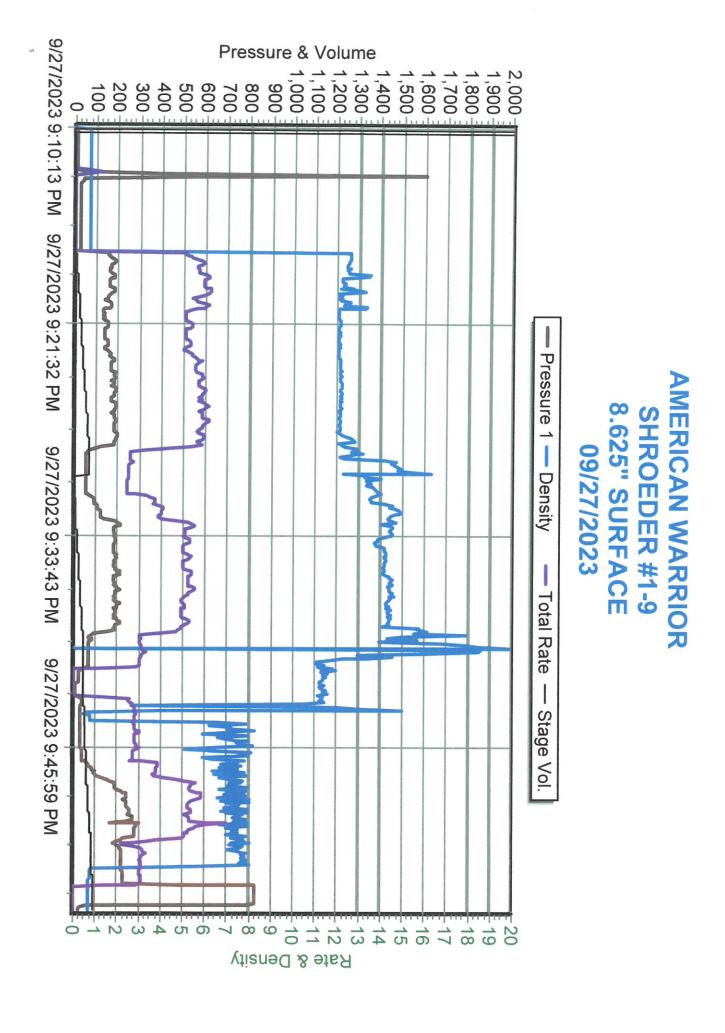
Fax: 940-612-3336 | gesi@geserve.com

Form 185-2N.2

9/27/23 CEMENTING JOB LOG

#### Company: AMERICAN WARRIOR Well Name: SCHROEDER #1-9 Type Job: SURFACE AFE #: 0 **CASING DATA** 8 5/8 Size: Grade: **J55** Weight: 24 **Casing Depths** 42.18 Top: Bottom: 647.67 Drill Pipe: Size: 0 Weight: 0 Tubing: Size: 0 Weight: 0 Grade: 0 TD (ft): 652 Open Hole: 12 1/4 Size: T.D. (ft): 652 Perforations From (ft): To: 0 Packer Depth(ft): 0 **CEMENT DATA** Spacer Type: $ft^3/_{sk}$ Amt. Sks Yield Density (PPG) LEAD: CLASS A -- 65/35-6 -- .2% FWCA, 1/4# CELLFLAKE, 3% SALT **Excess** $ft^3/_{sk}$ Amt. 150 Sks Yield 2.4 Density (PPG) 11.8 TAIL: CLASS A -- 1% SMS, 2% CC, 1/4# CELLFLAKE **Excess** Amt. 150 Sks Yield 1.57 ft 3/sk Density (PPG) 13.9 WATER: Lead: gals/sk: 14 Tail: gals/sk: 8 Total (bbls): Pump Trucks Used: 110 -- DP4 **Bulk Equipment:** 230 - 660-24 Disp. Fluid Type: FRESH WATER Amt. (Bbls.) 38.5 Weight (PPG): Mud Type: Weight (PPG): COMPANY REPRESENTATIVE: **CEMENTER: KIRBY HARPER** TIME PRESSURES PSI **FLUID PUMPED DATA REMARKS** AM/PM Casing Tubing **ANNULUS** TOTAL RATE 1900 ON LOCATION -- SPOT AND RIG UP 2045 CASING ON BOTTOM -- BREAK CIRC 2118 1600 PRESSURE TEST 2122 150 5 64 MIX 150 SK LEAD @ 11.8 PPG 2136 200 42 5 MIX 150 SK TAIL @ 13.9 PPG 2146 SHUT DOWN -- DROP TOP PLUG 2148 150 0 5 START DISPLACING WITH FRESH WATER 2157 200 34 3 **SLOW RATE** 2200 200-800 39 **BUMP PLUG** 2201 800-0 **RELEASE PRESSURE -- FLOAT HELD** 50 CIRCULATE CEMENT TO THE PIT

CEMENTING JOB LOG - Page: 1





CHARGE TO:	Warriss	Inc.	
ADDRESS			
CITY, STATE, ZIP CODE			

TICKET 3-6701

CUSTOME	DATE SIGNED	START OF WORK OR DELIVERY OF GOODS.	LIMITED WARRANTY provisions.  MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT SHORT TO	the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT</b> , <b>RELEASE</b> , <b>INDEMNITY</b> , and	LEGAL TERMS: Customer hereby acknowledges and agrees to			403	909	407	901,	404	578	575	PRICE SECONDARY REFERENCE/ REFERENCE PART NUMBER	REFERRAL LOCATION	4.	ώ į:	2	SERVICE LOCATIONS	Services, Inc.
R ACCEPTANCE OF MATERIAL	TIME SIGNED	THE TOTAL PROPERTY OF THE PARTY	MER'S AGENT PRIOR TO	, RELEASE, INDEMNITY, and	by acknowledges and agrees to								/	/	ACCOUNTING	INVOICE INSTRUCTIONS		H	TICKET TYPE CONTRACTOR	WELL/PROJECT NO.	СІТҮ,
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receint of the materials and service	785-798-2300	P.O. BOX 466 NESS CITY, KS 67560	SWIFT SERVICES, INC.		DEMIT DAVMENT TO.			CMT Basket	Tucho 1/201	Insect that Shoe W/A	Latch Down Dhad Batt	0 t3	o charge	MILEAGE TOWER 112	DESCRIPTION	Grand China	WELL CATEGORY JOB PURPOSE	HIG NAME NO.	Schroeder Hedgeman	LEASE COUNTY/PARISH	CITY, STATE, ZIP CODE
Jadrace receipt of the meterials and convices lie	AHE YOU SATISHED WITH OUR SERVICE?  CUSTOMER DID NOT WISH TO RESPOND	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY?	WITHOUT BREAKDOWN? WE UNDERSTOOD AND	SURVEY AGREE UNDECIDED DISAGREE			2 lea 53/	10 69 5/1	18 391 1154	160 5411	1 60 5/11			MILL ALO WITH ALO	310	WELL PERMIT NO.			STATE CITY	
1000	TOTAL 122,95	Hudgiran 858 195	\$ 14585,00	PAGE TOTAL  75 / 5, 100		-	00 000	00.000	11	000	2000	2600 00 2600,00	- 8	* 5	UNIT AMOUNT	0+11/2-6/11/C-P	WELL LOCATION Jetnore 1-2-	ORDER NO.	7-23	DATE OWNER	PAGE OF

SWIFT OPERATOR Purson Meas

APPROVAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!



PO Box 466

TICKET CONTINUATION

No. 36701

SECONDAY REFERENCE LOCAL PART NUMBER DESCRIPTION    CONTINUE DESCRIPTION   CONTINUE DESCRIPTION   CONTINUE DESCRIPTION     CONTINUE DESCRIPTION   CONTINUE DESCRIPTION   CONTINUE DESCRIPTION     CONTINUE DESCRIPTION   CONTINUE DESCRIPTION   CONTINUE DESCRIPTION     CONTINUE DESCRIPTION   CONTINUE DESCRIPTION   CONTINU	OIT: 785-798-2300    The countries   The count	COTT. 785-798-2300    ACCOUNTING   THE   DESCRIPTION   OTT   UNIX OTT
TIME DESCRIPTION  STD COMENT  Colsol  Flocolo  Flocolo  Droy acc  CMT Service C  MILEAGE TOTAL WEIGHT LONDE	The DESCRIPTION OF THE STANDARD OF THE DESCRIPTION OF THE OFFICE CHARGE	The internal Marrier Tal.    Color   C
DESCRIPTION  STD COMENT  Colseal  Solt  Halad 322  Florale  MILEAGE TOTAL WEIGHT LOADE  DRAY OF CHARGE  SERVICE CHARGE  MILEAGE  DESCRIPTION  DESCRI	DESCRIPTION  OTY UM OTY UM  STD CEMENT 2005X  Calified 322  Flacele  Mid Flish  Commission Service Charge 2000 1/3 365 mm  Commission Consider Charge 2000 1/3 365 mm  Commission Commission Considerate  Commission Commiss	The interval Marile The.
	365 m	7-9. P-2-2 W QTY UM PRICE PRICE 25. 2. 2. 2. 2. 3.6

SWIFT Services. Inc. JOB LOG 10-2-23 | 1 TICKET NO. 36701 LEASE Sehreder PRESSURE (PSI) CUSTOMER WELL NO. JOB TYPE DESCRIPTION OF OPERATION AND MATERIALS American Warrior Inc. 1-9 VOLUME (BBL) (GAL) PUMPS TIME T C TUBING CASING ON location 51/2" 15,5# 06:00 06:05 9100 10:00 11:45 12/00



CITY, STATE, ZIP CODE	CITY, STAT
IESS	ADDRESS
TIMERICAN WORRIET LINE.	
GETO:	CHARGE TO:

TICKET 3-6706

SERVICE LOCATIONS  1. Nessell  2. INCKET TYPE 3. INCKET TYPE 4. PRICE REFERRAL LOCATION INVOICE II PRICE REFERENCE SECONDARY REFERENCE PART NUMBER  576 0  276  276  1057  1057  WELL TYPE PART NUMBER  77  77  77  77  77  77  77  77  77	DJECT NO.  CONTRACT  CONTRACT  ACCOL  LOC  ACCOL  A	ASE  Cheroloponent  Description  MILEAGE  DESCR  DESCR  DESCR  DO A 1 C C C C C C C C C C C C C C C C C C	STATE CITY  SHIPPED DELIVERED TO  VIA  OTY. JUM  OTY. JUM  OTY. JUM  3 / JAB  3 / JAB  3 / JAB  125 SA  3 / JAB	PAGE OF    DATE
330 276 290		mp Come		00 17
1835		post Collac Tool Ready by Com Service Charge	1000   ea	350,00 55
				33 6
LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.	cknowledges and agrees to se side hereof which include, ELEASE, INDEMNITY, and	REMIT PAYMENT TO:	SURVEY AGREE UNDECIDED DISAGREE WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS	PAGE TOTAL 5831, 00
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.	IS AGENT PRIOR TO	P.O. BOX 466 NESS CITY, KS 67560	PERFORMED WITHOUT DELAY?  WE OPERATED THE EQUIPMENT  AND PERFORMED JOB  CALCULATIONS  SATISFACTORILY?	Hademan 22
DATE SIGNED TIME S	TIME SIGNED A.M.	785-798-2300	ARE YOU SATISFIED WITH OUR SERVICE?  UNCERPOSED WES UNO  CUSTOMER DID NOT WISH TO RESPOND	TOTAL (00)
SWIFT OPERATOR /	ADDEDATE OF MISTERIALS AN	APPROVAL	vledges receipt of the materials and services listed on this ticket.	d on this ticket.

APPROVAL

Thank You!

PAGE NO. SWIFT Services. Inc. JOB LOG 10-9-23 CUSTOMER WELL NO. JOB TYPE Warrior Inc. 1-9 Schroe der Port Coller CHART RATE (BPM) VOLUME **PUMPS** PRESSURE (PSI) DESCRIPTION OF OPERATION AND MATERIALS NO. (BBL) (GAL) TUBING CASING 9:00 9:25 1000 9130 9:35 450 1255K SMD @ 11.2 ppg 9:40 300 10:06 1000 10:15 10:30 11:00 105KS to p'y

# **Geological Report**

American Warrior, Inc.
Schroeder #1-9
1379' FSL & 611' FWL
Sec. 9, T23s, R23w
Hodgeman County, Kansas



American Warrior, Inc.

# **General Data**

Well Data:	American Warrior, In Schroeder #1-9 1379' FSL & 611' FV Sec. 9, T23s, R23w Hodgeman County, K API # 15-083-22032-	VL Cansas
Drilling Contractor:	Duke Drilling Co. Ri	g #9
Geologist:	Kevin Timson	
Spud Date:	September 27, 2023	
Completion Date:	October 3, 2023	
Elevation	2341' G.L. 2354' K.B.	
Directions:	and Hwy 283. Go Eas	the intersection of Hwy 156 st on Hwy 156 3/4 mile to Rd 219 2 miles to K Rd. Go East ad North into.
Casing:	648' 8 5/8" #23 1572' 4775' 5 1/2" #15.5	Surface Casing Port Collar Production Casing
Samples:	4300' to RTD	10' Wet & Dry
Drilling Time:	4300' to RTD	
Electric Logs:	Midwest Wireline "D "Full Sweep" Dual C Microresistivity, Son	Comp Porosity, Dual Induction,
Drillstem Tests:	One-Trilobite Testing	g "Eric Burgess"
Problems:	None	

# **Formation Tops**

Schroeder #1-9 Sec. 9, T23s, R23w 1379' FSL & 611' FWL

Anhydrite	1537' +817
Base	1569' +785
Heebner	3920' -1566
Lansing	3979' -1625
Bkc	4371' -2017
Marmaton	4397' -2043
Fort Scott	4531' -2177
Cherokee	4555' -2201
Miss Warsaw	4619' -2265
RTD	4775' -2421
LTD	4781' -2427

# **Sample Zone Descriptions**

Miss Warsaw (4623',-2269): Covered in DST #1

Dolomite gray. Sub crystalline. Fair intercrystalline porosity. Good vuggy porosity. Good stain. Good saturation. GSFO. Good odor. Good full cut yellow florescence.

Miss Warsaw (4659',-2305): Not Tested

Dolomite tan/gray. Sub crystalline. Fair to good intercrystalline porosity. Good vuggy porosity. Fair to good stain. Poor to fair saturation. SFO. Fair odor. Fair to good yellow florescence.

## **Drill Stem Tests**

Trilobite Testing "Eric Burgess"

# DST #1 <u>Miss Warsaw</u>

Interval (4536' - 4630') Anchor 94'

IHP - 2289 #

IFP - 45" – WSB built to 4.98" 33-66 #

ISI - 45" – No return 1160 #

FFP - 45" – WSB built to 7.38" 71-93 #

FSIP - 45" - No return 1111 #

FHP - 2177 #

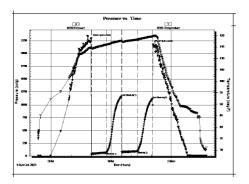
BHT - 120° F

Recovery: 244' GIP

60' Oil

60' MCO (60% Oil)

60' GMCO (40% Oil)



# **Structural Comparison**

	American Warrior, Inc		Petroleum, Inc.		Cobalt Energy LLC
	Schroeder #1-9		Blattner H #1		Schroeder Unit A #1-8
T	Sec 9, T23s, R23w		Sec 8, T23s, R23w		Sec 8, T23s, R23w
Formation	1379' FSL & 611' FWL		1950' FSL & 760' FEL		100' FNL & 2405' FEL
Heebner	3920' -1566	+8	3854' -1574	+4	3826' -1570
Lansing	3979' -1625	+8	3913' -1633	-2	3879' -1623
BKc	4371' -2017	+15	4312' -2032	+9	4282' -2026
Marmaton	4397' -2043	+20	4343' -2063	+10	4309' -2053
Fort Scott	4531' -2177	+18	4475' -2195	+13	4446' -2190
Cherokee	4555' -2201	+18	4499' -2219	+14	4471' -2215
Miss War.	4619' -2265	+36	4581' -2301	+21	4542' -2286

# **Summary**

The location for the Schroeder #1-9 well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem test was conducted, which recovered commercial amounts of oil from the Miss Warsaw formation. After all the gathered data had been examined, the decision was made to run 5 1/2" casing to further evaluate the Schroeder #1-9 well.

#### **Recommended Perforations**

Primary: Warsaw Lower (4659' to 4663')

Secondary: Warsaw Upper (4624' to 4630') "Use Kracken Gun"

Respectfully Submitted,

Kevin Timson American Warrior, Inc.



AWI

9-23S-23W Hodgeman

Po Box 399

Garden City, KS. 67848 Job Ticket: 71051

ATTN: Kevin Timenson

Schroeder 1-9

Tester:

Unit No:

cket: 71051 **DST#:1** 

Test Start: 2023.10.01 @ 17:21:47

#### **GENERAL INFORMATION:**

Formation: Miss

Interval:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:01:57 Time Test Ended: 01:45:26

4536.00 ft (KB) To 4630.00 ft (KB) (TVD)

Total Depth: 4630.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

80

Eric Burgess

Reference Elevations: 2354.00 ft (KB)

2341.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8369 Outside

Press@RunDepth: 92.61 psig @ 4548.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2023.10.01
 End Date:
 2023.10.02
 Last Calib.:
 2023.10.02

 Start Time:
 17:21:48
 End Time:
 01:45:27
 Time On Btm:
 2023.10.01 @ 20:00:57

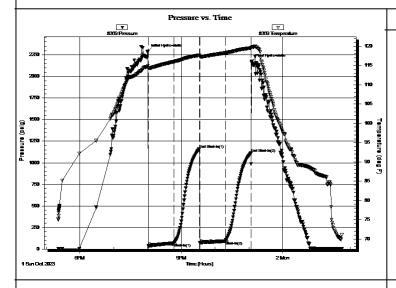
Time Off Btm: 2023.10.01 @ 23:05:07

TEST COMMENT: IF:Fair Building Blow built to 4.98" (45)

ISI:No Blow Back. (45)

FF:Fair Building Blow built to 7.38" (45)

FSI:No Blow Back. (45)



	Pl	RESSUR	RE SUMMARY
ime	Pressure	Temp	Annotation

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2289.40	114.89	Initial Hydro-static
1	33.35	114.37	Open To Flow (1)
46	66.11	115.98	Shut-In(1)
92	1160.28	117.66	End Shut-In(1)
93	71.21	117.28	Open To Flow (2)
138	92.61	118.25	Shut-In(2)
183	1111.37	119.53	End Shut-In(2)
185	2176.51	119.72	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oil 100%O	0.30
60.00	MCO 60%O 40%M	0.30
60.00	GMCO 30%G 40%O 30%M	0.30
0.00	244' GIP	0.00

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 71051 Printed: 2023.10.02 @ 07:23:24



AWI

9-23S-23W Hodgeman

Schroeder 1-9

Po Box 399

Garden City, KS. 67848 Job Ticket: 71051

ATTN: Kevin Timenson

DST#: 1

Test Start: 2023.10.01 @ 17:21:47

#### **GENERAL INFORMATION:**

Formation: Miss

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 20:01:57 Tester: Eric Burgess

Time Test Ended: 01:45:26 Unit No: 80

Interval: 4536.00 ft (KB) To 4630.00 ft (KB) (TVD) Reference ⊟evations: 2354.00 ft (KB)

Total Depth: 4630.00 ft (KB) (TVD) 2341.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 13.00 ft

Serial #: 8679

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

Start Date: 2023.10.01 End Date: 2023.10.02 Last Calib.: 1899.12.30

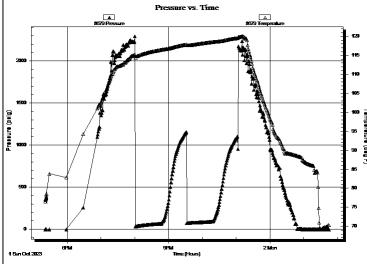
Start Time: 17:21:27 End Time: Time On Btm: 01:45:16 Time Off Btm:

TEST COMMENT: IF:Fair Building Blow built to 4.98" (45)

ISI:No Blow Back. (45)

FF:Fair Building Blow built to 7.38" (45)

FSI:No Blow Back. (45)



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
=				
3				
Temperature (deg F)				
2				
J				
	l			

#### Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oil 100%O	0.30
60.00	MCO 60%O 40%M	0.30
60.00	GMCO 30%G 40%O 30%M	0.30
0.00	244' GIP	0.00

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 71051 Printed: 2023.10.02 @ 07:23:24



**FLUID SUMMARY** 

DST#: 1

9-23S-23W Hodgeman

Po Box 399 Schroeder 1-9

Garden City, KS. 67848 Job Ticket: 71051

ATTN: Kevin Timenson Test Start: 2023.10.01 @ 17:21:47

**Mud and Cushion Information** 

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

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

Viscosity: 48.00 sec/qt Cushion Volume: bbl

Water Loss: 8.79 in<sup>3</sup> Gas Cushion Type: Gas Cushion Pressure: ohm.m

Resistivity: psig Salinity: 3200.00 ppm

**Recovery Information** 

Filter Cake:

Recovery Table

Length ft	Description	Volume bbl
60.00	Oil 100%O	0.295
60.00	MCO 60%O 40%M	0.295
60.00	GMCO 30%G 40%O 30%M	0.295
0.00	244' GIP	0.000

0.885 bbl Total Length: 180.00 ft Total Volume:

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

Laboratory Name: Laboratory Location:

Recovery Comments:

inches

Trilobite Testing, Inc Ref. No: 71051 Printed: 2023.10.02 @ 07:23:24

95

Temperature (deg F)

100

110

105

115

120

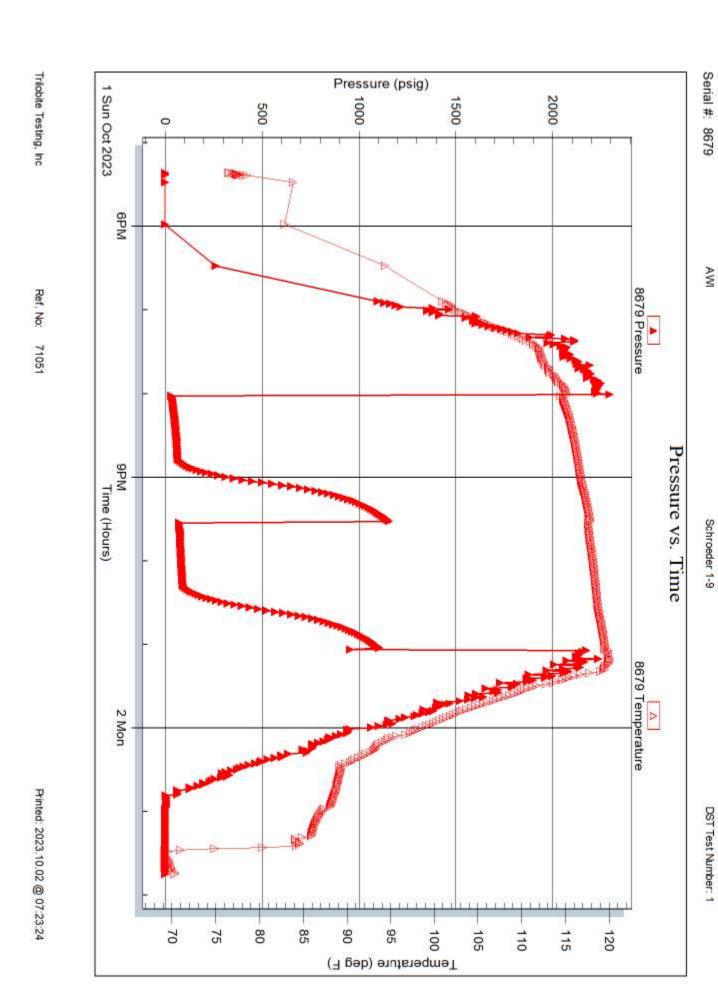
80

85

90

70

75





Prepared For: American Warrior Inc

PO Box 399

Garden City, KS. 67848

ATTN: Kevin Timenson

## Schroeder #1-9

# 9-23S-23W Hodgeman,KS

Start Date: 2023.10.01 @ 17:21:47 End Date: 2023.10.02 @ 01:45:26 Job Ticket #: 71051 DST #: 1

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



American Warrior Inc

9-23S-23W Hodgeman, KS

PO Box 399

Garden City, KS. 67848

Schroeder #1-9 Job Ticket: 71051

DST#: 1

ATTN: Kevin Timenson

Test Start: 2023.10.01 @ 17:21:47

#### **GENERAL INFORMATION:**

Formation: Miss

Time Tool Opened: 20:01:57

Time Test Ended: 01:45:26

Deviated: No Whipstock: ft (KB)

Tester: Eric Burgess

Test Type: Conventional Bottom Hole (Initial)

Unit No:

80

4536.00 ft (KB) To 4630.00 ft (KB) (TVD)

Reference ⊟evations:

2354.00 ft (KB) 2341.00 ft (CF)

Total Depth: 4630.00 ft (KB) (TVD)

KB to GR/CF:

13.00 ft

7.88 inches Hole Condition: Fair Hole Diameter:

Serial #: 8369 Outside

Press@RunDepth:

92.61 psig @

4548.00 ft (KB)

2023.10.02

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

Interval:

2023.10.01 17:21:48

End Date: End Time:

01:45:27

Time On Btm:

2023.10.02 2023.10.01 @ 20:00:57

Time Off Btm:

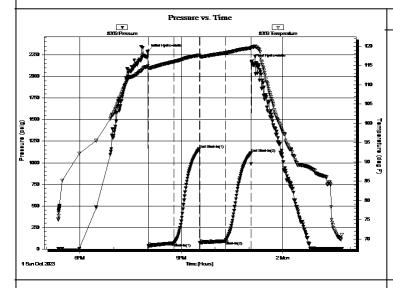
2023.10.01 @ 23:05:07

TEST COMMENT: IF:Fair Building Blow built to 4.98" (45)

ISI:No Blow Back. (45)

FF:Fair Building Blow built to 7.38" (45)

FSI:No Blow Back. (45)



#### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2289.40	114.89	Initial Hydro-static
1	33.35	114.37	Open To Flow (1)
46	66.11	115.98	Shut-In(1)
92	1160.28	117.66	End Shut-In(1)
93	71.21	117.28	Open To Flow (2)
138	92.61	118.25	Shut-In(2)
183	1111.37	119.53	End Shut-In(2)
185	2176.51	119.72	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oil 100%O	0.30
60.00	MCO 60%O 40%M	0.30
60.00	GMCO 30%G 40%O 30%M	0.30
0.00	244' GIP	0.00

#### Gas Rates

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

Ref. No: 71051 Printed: 2023.10.03 @ 15:06:27 Trilobite Testing, Inc



American Warrior Inc

9-23S-23W Hodgeman, KS

PO Box 399

Garden City, KS. 67848

ATTN: Kevin Timenson

Schroeder #1-9 Job Ticket: 71051

DST#: 1

Test Start: 2023.10.01 @ 17:21:47

**GENERAL INFORMATION:** 

Formation: Miss

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 20:01:57 Tester: Eric Burgess

Time Test Ended: 01:45:26 Unit No: 80

Interval: 4536.00 ft (KB) To 4630.00 ft (KB) (TVD) Reference ⊟evations: 2354.00 ft (KB)

Total Depth: 4630.00 ft (KB) (TVD) 2341.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 13.00 ft

Serial #: 8679

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

Start Date: 2023.10.01 End Date: 2023.10.02 Last Calib.: 1899.12.30

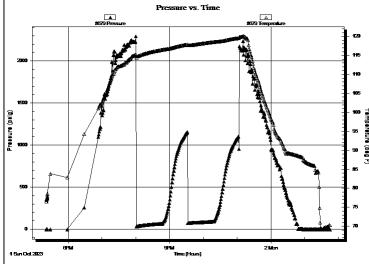
Start Time: 17:21:27 End Time: Time On Btm: 01:45:16 Time Off Btm:

TEST COMMENT: IF:Fair Building Blow built to 4.98" (45)

ISI:No Blow Back. (45)

FF:Fair Building Blow built to 7.38" (45)

FSI:No Blow Back. (45)



				_
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
Tamparatura (dag F)				

#### Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oil 100%O	0.30
60.00	MCO 60%O 40%M	0.30
60.00	GMCO 30%G 40%O 30%M	0.30
0.00	244' GIP	0.00

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 71051 Printed: 2023.10.03 @ 15:06:27



**TOOL DIAGRAM** 

American Warrior Inc

9-23S-23W Hodgeman, KS

PO Box 399

Garden City, KS. 67848

ATTN: Kevin Timenson

Schroeder #1-9

Job Ticket: 71051 **DST#:1** 

String Weight: Initial 68000.00 lb

Final 700000.0 lb

Test Start: 2023.10.01 @ 17:21:47

**Tool Information** 

Drill Pipe: Length: 4346.00 ft Diameter: 3.88 inches Volume: 63.56 bbl Tool Weight: 2000.00 lb 0.00 inches Volume: 0.00 bbl Heavy Wt. Pipe: Length: 0.00 ft Diameter: Weight set on Packer: 24000.00 lb Drill Collar: Length: 181.00 ft Diameter: 2.25 inches Volume: 0.89 bbl Weight to Pull Loose: 24000.00 lb Total Volume: 64.45 bbl Tool Chased 8.00 ft

Drill Pipe Above KB: 22.00 ft
Depth to Top Packer: 4536.00 ft

Depth to Bottom Packer: ft
Interval betw een Packers: 94.00 ft
Tool Length: 125.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4506.00		
Shut In Tool	5.00			4511.00		
Hydraulic tool	5.00			4516.00		
Em Tool	3.00			4519.00		
Jars	5.00			4524.00		
Safety Joint	3.00			4527.00		
Packer	4.00			4531.00	31.00	Bottom Of Top Packer
Packer	5.00			4536.00		
Stubb	1.00			4537.00		
Perforations	10.00			4547.00		
Change Over Sub	1.00			4548.00		
Recorder	0.00	8369	Outside	4548.00		
Recorder	0.00	8846	Inside	4548.00		
Blank Spacing	63.00			4611.00		
Change Over Sub	1.00			4612.00		
Perforations	15.00			4627.00		
Bullnose	3.00			4630.00	94.00	Bottom Packers & Anchor

Total Tool Length: 125.00

Trilobite Testing, Inc Ref. No: 71051 Printed: 2023.10.03 @ 15:06:28



**FLUID SUMMARY** 

American Warrior Inc

ATTN: Kevin Timenson

9-23S-23W Hodgeman, KS

PO Box 399

Garden City, KS. 67848

Schroeder #1-9

Job Ticket: 71051

Serial #:

DST#: 1

Test Start: 2023.10.01 @ 17:21:47

**Mud and Cushion Information** 

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

Viscosity: 48.00 sec/qt Cushion Volume: bbl

8.79 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3200.00 ppm Filter Cake: inches

## **Recovery Information**

Water Loss:

## Recovery Table

Length ft	Description	Volume bbl
60.00	Oil 100%O	0.295
60.00	MCO 60%O 40%M	0.295
60.00	GMCO 30%G 40%O 30%M	0.295
0.00	244' GIP	0.000

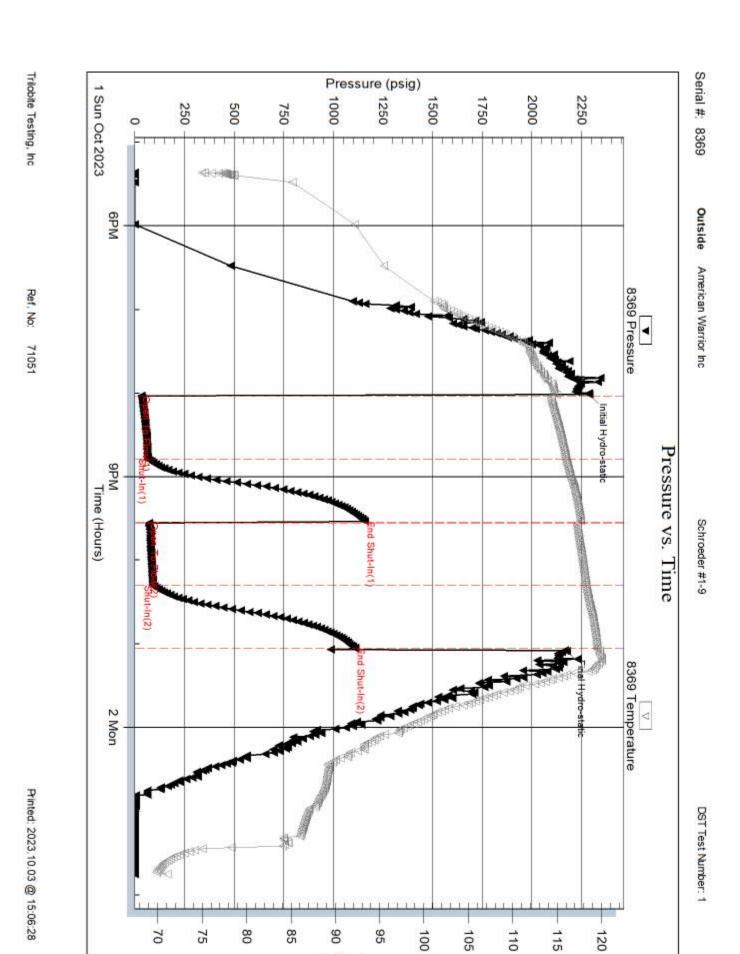
Total Length: 180.00 ft Total Volume: 0.885 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

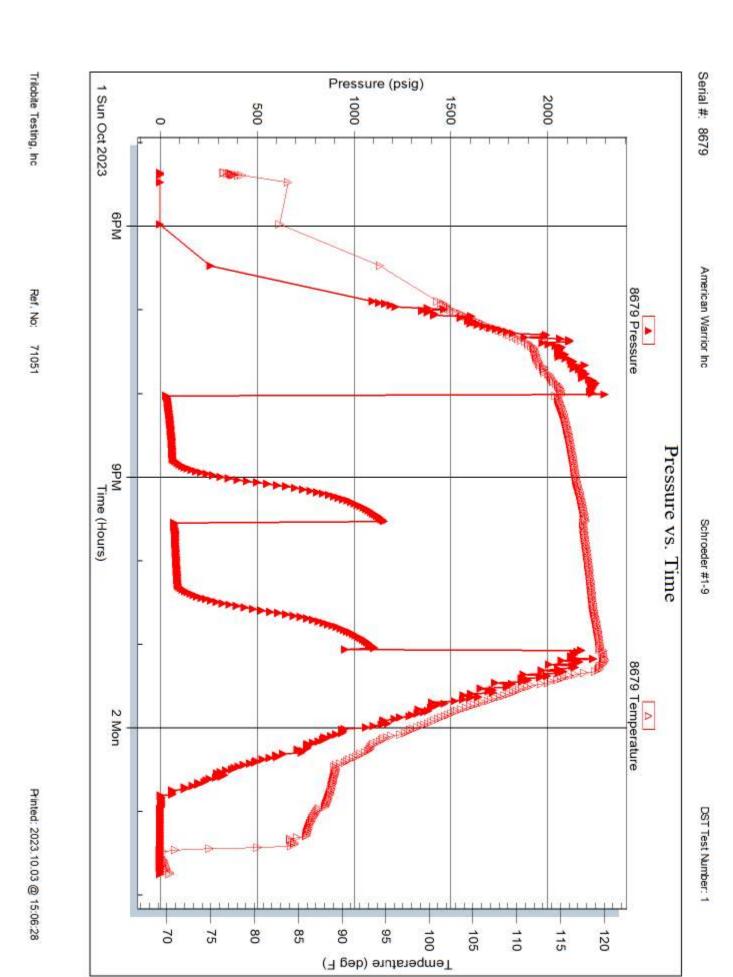
Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 71051 Printed: 2023.10.03 @ 15:06:28



Temperature (deg F)





# **Test Ticket**

NO.

71051

Address Po Box 399 (order City, KS. 6)846  Co. Rep / Geo Kerin Timerson	Rig CV	2354°	Date 10/116  KB 234/  State k  Mud Wt. 9-2  Vis 48  WL 8-8  LCM 2	GL
Company Aws  Address Po Box 399 Garden City, KS. 6)846  Co. Rep / Geo Kerin Timerson  Location: Sec. 9 Twp 335 Rge. 23w Co  Interval Tested 4536 - 4630 Zone Tested Miss  Anchor Length 94 Drill Pipe Run 4340  Top Packer Depth 4532 Drill Collars Run 18  Bottom Packer Depth 4532 Wt. Pipe Run 6  Total Depth 4630 Chlorides 3200  Blow Description Fried'r Box 11 Sect. (45)  FF: Fair Bulling Blow built to 7.38" (45)	Rig CV	2354°	Mud Wt. 9-2 Vis 48 WL 8-8	GL
Address Po Box 399 (Grden City, NS. 6)846  Co. Rep / Geo Kerin Timerson  Location: Sec. 9 Twp 335 Rge. 23w Co  Interval Tested 4536 - 4630 Zone Tested Miss  Anchor Length 94 Drill Pipe Run 4346  Top Packer Depth 4532 Drill Collars Run 18  Bottom Packer Depth 4532 Wt. Pipe Run 6  Total Depth 4630 Chlorides 3200  Blow Description 15: Fair Bulling Blow built to 7.38" (45)	Rig (DV)	Ke 9	Mud Wt. 9-2 Vis 48 WL 8-8	<b>3.</b>
Co. Rep / Geo Kerin Timerson  Location: Sec	. Herte	<u>~~~</u>	Mud Wt. 9-2 Vis 48 WL 8-8	<b>3.</b>
Location: Sec. 9   Twp 335   Rge. 23w   Co   Interval Tested 4536 - 4630   Zone Tested Miss   Anchor Length 94   Drill Pipe Run 4346     Top Packer Depth 4532   Drill Collars Run 18   Bottom Packer Depth 4532   Wt. Pipe Run 5   Total Depth 4630   Chlorides 3200     Blow Description 15: Fair Building Blow Back. (45)     FF: Fair Building Blow build to 7.38" (45)	31		Mud Wt. 9-2 Vis 48 WL 8-8	<b>3.</b>
Anchor Length 94'  Top Packer Depth 4532'  Bottom Packer Depth 4532'  Total Depth 4630'  Blow Description FF: Fair Building Blow built to 7.38'' (45)  FF: Fair Building Blow built to 7.38'' (45)	31	ppm System	Vis <u>42 48</u> WL 8.8	
Anchor Length 94'  Top Packer Depth 4532'  Bottom Packer Depth 4532'  Total Depth 4630'  Blow Description FF: Fair Building Blow built to 7.38'' (45)  FF: Fair Building Blow built to 7.38'' (45)	31	ppm System	Vis <u>42 48</u> WL 8.8	
Top Packer Depth 4532'  Bottom Packer Depth 4532'  Total Depth 4630'  Blow Description FF: Fair Building Blow Back. (45)  FF: Fair Building Blow build to 7.38' (45)		ppm System	WL 8.8	
Bottom Packer Depth 4532 Wt. Pipe Run 6  Total Depth 4630 Chlorides 3200  Blow Description IF: Fc.'r Building Blow built 4.98" (45)  FF: Fc.'r Building Blow built to 7.38" (45)		ppm System	0	
Total Depth 4630 Chlorides 3200  Blow Description IF: Fair Building Blow built 4.98" (45)  TSI' NO Blow Back. (45)  FF: Fair Building Blow build to 7.38" (45)		ppm System	LCM_2	
FF: Fair Burding Blood built to 7.38" (45)				
FF: Fair Burding Blood built to 7.38" (45)				
FF: Fait But ding Blow built to 7.38" (45)				
FCTA ORIGINA 14 1400				
130 new beck. (48)				
Rec 60 Feet of OL	%gas	<i>I∕</i> € %oil	%water	%mud
Rec_60 Feet of Mcg	%gas	60 %oil	%water	<b>90</b> %mud
	%gas	<b>40</b> %oil	%water	30 %mud
Rec D Feet of 244'GIP	%gas	%oil	%water_	%mud
Rec Feet of	%gas	%oil_	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Total 180 BHT Gravity API R	<sub>W</sub> _33	@ <u>_60_</u> *F	Chlorides	ppm
Initial Hydrostatic 2289 Test 1950			d Shale Packer	
Initial Flow33toto		□ Ruined	d Packer	
Initial Shut-In Circ Sub		Hotel	Nesscity house	e didnt sta
Final Flow 71 to 93 🗆 Hourly Standby		<b>E</b> M To	ol Successful <u>vo</u>	T -350
Final Shut-In	rt 245		sibility	
Final Hydrostatic Sampler		□ Gas Sa	ample	,
T- On Location 1630 🔲 Straddle		□ Oversi	zed Hole	
Initial Flow 45 T-Started 1731 🗆 Shale Packer		□ Sub To	otal	
Initial Shut-In 45 T-Open 1959 🗆 Extra Packer		D Total_	2145	
Final Flow 45 T-Pulled 2360 🗆 Extra Recorder		□ Tool Lo	oaded@_	
Final Shut-In 45 T-Out 0145 Day Standby			ST Disc't	
Comments	1			7
	- 1	1	1	

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the de for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

