KOLAR Document ID: 1482330

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

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

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip: +	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	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)
Described	Chloride content: ppm Fluid volume: bbls
☐ Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if flauled offsite.
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: 1482330

Page Two

Operator Name: _				Lease Name:			Well #:		
Sec Twp.	S. R.	E	ast West	County:					
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,	
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log	
Drill Stem Tests Ta		Yes No			on (Top), Depth ar		Sample		
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum	
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No						
		B	CASING eport all strings set-c		New Used	ion, etc.			
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD				
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	ks Used 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 Oil Bbls. Gas Per 24 Hours			Mcf Water Bbls. Gas-Oil Ratio			Gravity			
DISPOSITION OF GAS: METHOD OF C				METHOD OF COMP	LETION:			DN INTERVAL: Bottom	
Vented Sold Used on Lease Open Hole Perf. (If vented, Submit ACO-18.)						mmingled mit ACO-4)	Тор	BOROTT	
,	,			B.11 B1					
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Bridge Plug Type Set At		Acid, Fracture, Shot, Cementing Squeeze Rec (Amount and Kind of Material Used)			Record	
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:					
TODING RECORD:	. 3126.	Set	n.	i donei Al.					

Form	ACO1 - Well Completion
Operator	Prater Oil & Gas Operations, Inc.
Well Name	FISHER 1
Doc ID	1482330

Tops

Name	Тор	Datum
Anhydrite	655	1219
Base Anhydrite	673	1201
Topeka	3159	-1285
Heebner Shale	3492	-1618
Douglas Shale	3530	-1656
Brown Lime	3678	-1804
Lansing	3690	-1816
Lansing Drum	3860	-1986
Stark Shale	3986	-2112
Mississippi Chert	4126	-2252
Mississippi Lime	4188	-2314
Kinderhook Shale	4296	-2422
RTD	4325	-2451

Form	ACO1 - Well Completion
Operator	Prater Oil & Gas Operations, Inc.
Well Name	FISHER 1
Doc ID	1482330

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	14.75	10.75	32.75	321	60/40 POZ 25 Gel	2% Gel, 3% CC, 1/4# CF



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1005628	1718	09/30/2019
	INVOIC	E NUMBER	
	930	58201	

Pratt

(620) 672-1201

B PRATER OIL & GAS

10356 BLUESTEM BLVD

PRATT

KS US

67124

O ATTN:

LEASE NAME

FISHER #1

LOCATION В

COUNTY

PRATT

S STATE

JOB DESCRIPTION Cement-New Well Casing/Pi

JOB CONTACT

JOB # EQUIPMENT # PURCHASE ORDER NO. TERMS DUE DATE 41191421 Net - 30 days 10/30/2019 QTY T of UNIT PRICE INVOICE AMOUNT For Service Dates: 09/28/2019 to 09/28/2019 0041191421 171818343A Cement-New Well Casing/Pi 09/28/2019 SURFACE CASING 60/40 Poz 300.00 SK 9.99 2,997.00 T Celloflake 75.00 LB 1.48 111.00 T Calcium Chloride 774.00 LB 0.37 286.38 T Light Vehicle Mileage 15.00 MI 1.85 27.75 Heavy Equipment Mileage 30.00 88.80 MI 2.96 Depth Charge, 0'-1000' 1.00 HR 444.00 444.00 Blending & Mixing Service Charge 1.00 SK 155.40 155.40 Service Supervisor Charge 1.00 ËΑ 75.00 75.00 Driver Charge 3.00 EΑ 35.00 105.00

PLEASE REMIT TO:

SEND OTHER CORRESPONDENCE TO:

BASIC ENERGY SERVICES, LP PO BOX 841903

DALLAS, TX 75284-1903

BASIC ENERGY SERVICES, LP 801 CHERRY ST, STE 2100 FORT WORTH, TX 76102

SUB TOTAL

INVOICE TOTAL

4,290.33 280.04

4,570.37



10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

FIELD SERVICE TICKET 1718 18343 A

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ITEM/PRICE REF. NO.		MATERIAL,	EQUIPMENT A	ND SEF	RVICES US	ED .	UNIT	QUANTITY	UNIT PR	ICE	\$ AMOUN	ĬΤ
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FIELD SERVICE ORDER NO.

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:



# TREATMENT REPORT

Customer	rter O	1467	<u> </u>	Lease I	Vo.		1		Date		and or so the	and Conf	
Lease 🦟	76 A	di Para	<del></del>	Well #	g ^A				1	leaft som f	Hall!	, s ^{al}	
Field Order #	Station	Mary	<i>AS.</i> 3	2778		Casing	ე.∛/ D	epth	County		J.,	S	tate // SQ
Type Job							Forma	tion		Į.	egal Descript	ion	~ [24]
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Plug Depth	Packer De	epth From		To .	Flu			Gas Volu	me		Tota	l Load	
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Prater Oil & Gas Oper., Inc.

2-27s-12w Pratt Co., Ks.

10356 Bluestem BLVD

Pratt, Ks. 67124

Job Ticket: 64946

Fisher #1

DST#: 1

ATTN: Kent Roberts Test Start: 2019.10.01 @ 06:38:43

GENERAL INFORMATION:

Formation: LKC "B" Zone

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

Time Tool Opened: 09:05:28 Tester: Matt Smith
Time Test Ended: 15:01:43 Unit No: 68

Interval: 3716.00 ft (KB) To 3740.00 ft (KB) (TVD)

Total Depth: 3740.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1874.00 ft (KB)

1863.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8931 Inside

Press@RunDepth: 23.49 psig @ 3717.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2019.10.01
 End Date:
 2019.10.01
 Last Calib.:
 2019.10.01

 Start Time:
 06:38:48
 End Time:
 15:01:42
 Time On Btm:
 2019.10.01 @ 09:00:58

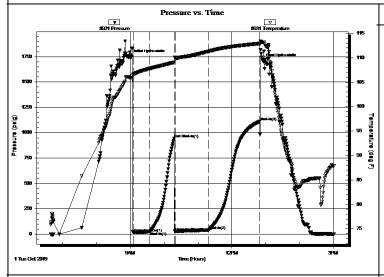
 Time Off Btm:
 2019.10.01 @ 12:54:58

TEST COMMENT: IF: Strong Blow . B.O.B. in 28 mins . Built to 12.65".

ISI: No Blow.

FF: Strong Blow . B.O.B. in 29 mins. Built to 16.41".

FSI: No Blow.



PRESSURE S	SUMMARY
------------	---------

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1746.49	105.89	Initial Hydro-static
5	16.96	106.62	Open To Flow (1)
33	23.49	107.78	Shut-In(1)
77	941.57	109.06	End Shut-In(1)
79	26.30	110.07	Open To Flow (2)
138	40.29	111.30	Shut-In(2)
229	1110.82	112.92	Shut-In(3)
234	1708.94	113.16	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
118.00	GOWCM 15%g 25%o 5%w 55%m	0.90
3.00	OCM 80%o 20%m	0.02
0.00	314' G.I.P. 100%g	0.00
-		· · · · · · · · · · · · · · · · · · ·

#### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 64946 Printed: 2019.10.01 @ 15:32:44



Prater Oil & Gas Oper., Inc.

2-27s-12w Pratt Co., Ks.

10356 Bluestem BLVD

Pratt, Ks. 67124

Job Ticket: 64946

Fisher #1

DST#: 1

1863.00 ft (CF)

ATTN: Kent Roberts

Test Start: 2019.10.01 @ 06:38:43

#### GENERAL INFORMATION:

Formation: LKC "B" Zone

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

Time Tool Opened: 09:05:28 Tester: Matt Smith Time Test Ended: 15:01:43 Unit No: 68

Interval: 3716.00 ft (KB) To 3740.00 ft (KB) (TVD) Reference Elevations: 1874.00 ft (KB)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8788 Outside

Total Depth:

Press@RunDepth: 3717.00 ft (KB) Capacity: 8000.00 psig psig @

Start Date: 2019.10.01 End Date: 2019.10.01 Last Calib.: 2019.10.01

Start Time: 06:39:01 End Time: Time On Btm: 15:01:55

Time Off Btm:

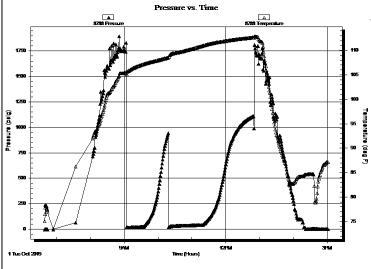
TEST COMMENT: IF: Strong Blow . B.O.B. in 28 mins. Built to 12.65".

ISI: No Blow.

3740.00 ft (KB) (TVD)

FF: Strong Blow . B.O.B. in 29 mins. Built to 16.41".

FSI: No Blow.



PRESSURE SUMMARY	1
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Timo	Droceuro	Tomp	Annotation
			Annotation
(Min.)	(psig)	(deg F)	
			1
	Time (Min.)		

#### Recovery

Length (ft)	Description	Volume (bbl)
118.00	GOWCM 15%g 25%o 5%w 55%m	0.90
3.00	OCM 80%o 20%m	0.02
0.00	314' G.I.P. 100%g	0.00

#### Gas Rates

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

Trilobite Testing, Inc. Ref. No: 64946 Printed: 2019.10.01 @ 15:32:44



**FLUID SUMMARY** 

Prater Oil & Gas Oper., Inc.

2-27s-12w Pratt Co., Ks.

10356 Bluestem BLVD

Pratt, Ks. 67124

Fisher # 1

Job Ticket: 64946

DST#: 1

ATTN: Kent Roberts

Test Start: 2019.10.01 @ 06:38:43

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:3500 ppm

Viscosity: 58.00 sec/qt Cushion Volume: bbl

8.79 in³ Gas Cushion Type:

Resistivity: 3500.00 ohm.m Gas Cushion Pressure: psig

Salinity: ppm Filter Cake: 0.20 inches

#### **Recovery Information**

Water Loss:

#### Recovery Table

Length ft	Description	Volume bbl
118.00	GOWCM 15%g 25%o 5%w 55%m	0.899
3.00	OCM 80%o 20%m	0.023
0.00	314' G.I.P. 100%g	0.000

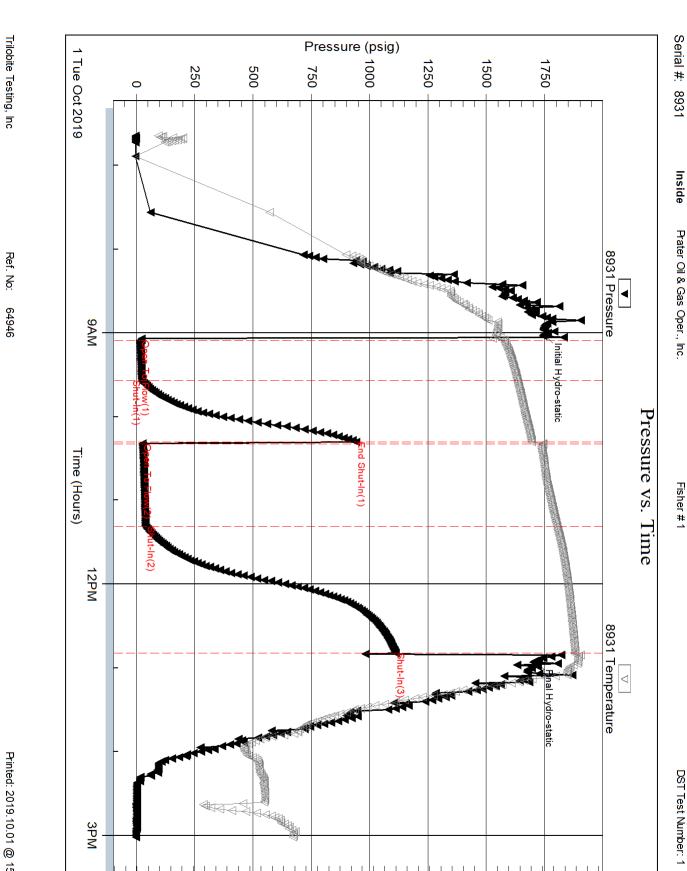
Total Length: 121.00 ft Total Volume: 0.922 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

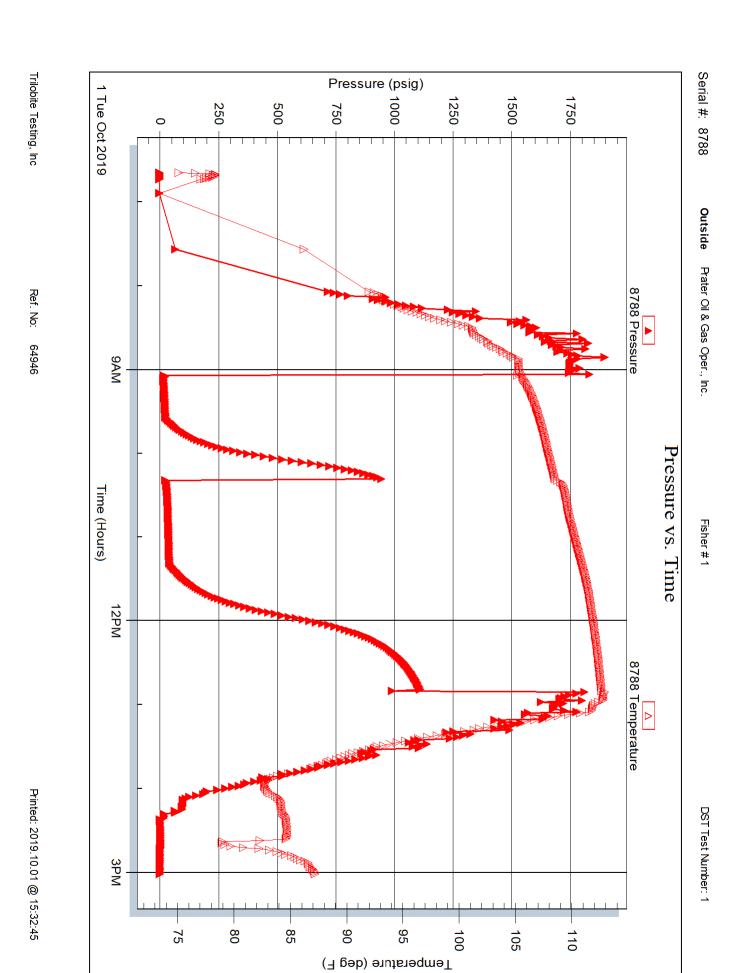
Laboratory Name: Laboratory Location:

Recovery Comments: 314 Ft G.I.P.

Trilobite Testing, Inc Ref. No: 64946 Printed: 2019.10.01 @ 15:32:45



Temperature (deg F)





Prater Oil & Gas Oper., Inc.

2-27s-12w Pratt Co., Ks.

10356 Bluestem BLVD

Pratt, Ks. 67124

Job Ticket: 64947

Reference Elevations:

Fisher #1

DST#: 2

1874.00 ft (KB)

1863.00 ft (CF)

ATTN: Kent Roberts

Test Start: 2019.10.02 @ 15:21:41

#### **GENERAL INFORMATION:**

Formation: Mississippi Chert

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

Time Tool Opened: 17:49:26 Tester: Matt Smith
Time Test Ended: 00:10:56 Unit No: 68

Interval: 4115.00 ft (KB) To 4194.00 ft (KB) (TVD)

Total Depth: 4194.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Time

Serial #: 8931 Inside

Hole Diameter:

Press@RunDepth: 100.90 psig @ 4116.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2019.10.02
 End Date:
 2019.10.03
 Last Calib.:
 2019.10.03

 Start Time:
 15:21:46
 End Time:
 00:10:56
 Time On Btm:
 2019.10.02 @ 17:45:41

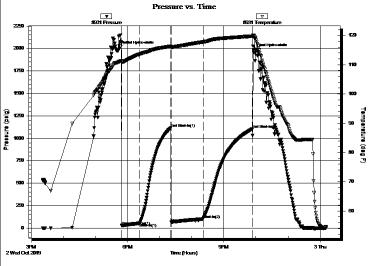
 Time Off Btm:
 2019.10.02 @ 21:55:41

TEST COMMENT: IF: Strong Blow . B.O.B. in 5 mins . Built to 25.87".

ISI: No Blow.

FF: Strong Blow . B.O.B. 27 mins. Built t 18.92".

FSI: No Blow.



	(Min.)	(psig)	(deg F)	
	0	2003.75	111.07	Initial Hydro-static
	4	27.67	110.92	Open To Flow (1)
	37	53.33	113.59	Shut-In(1)
	95	1114.61	116.26	End Shut-In(1)
	97	62.88	116.03	Open To Flow (2)
	156	100.90	117.78	Shut-In(2)
,	248	1102.61	119.74	End Shut-In(2)
,	250	1976.71	119.96	Final Hydro-static

PRESSURE SUMMARY

Pressure Temp Annotation

#### Recovery

Length (ft)	Description	Volume (bbl)		
170.00	GOSM 5%g 95%m	1.29		
* Recovery from multiple tests				

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

Trilobite Testing, Inc Ref. No: 64947 Printed: 2019.10.03 @ 06:07:37



Prater Oil & Gas Oper., Inc.

2-27s-12w Pratt Co., Ks.

10356 Bluestem BLVD

Pratt, Ks. 67124

Job Ticket: 64947

Fisher #1

DST#: 2

ATTN: Kent Roberts

Test Start: 2019.10.02 @ 15:21:41

Test Type: Conventional Bottom Hole (Reset)

#### GENERAL INFORMATION:

Formation: Mississippi Chert

Deviated: Whipstock: ft (KB)

Time Tool Opened: 17:49:26 Tester: Matt Smith Time Test Ended: 00:10:56 Unit No: 68

Interval: 4115.00 ft (KB) To 4194.00 ft (KB) (TVD) Reference Elevations: 1874.00 ft (KB)

Total Depth: 4194.00 ft (KB) (TVD) 1863.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8788 Outside

Press@RunDepth: 4116.00 ft (KB) Capacity: 8000.00 psig psig @

Start Date: 2019.10.02 End Date: 2019.10.03 Last Calib.: 2019.10.03

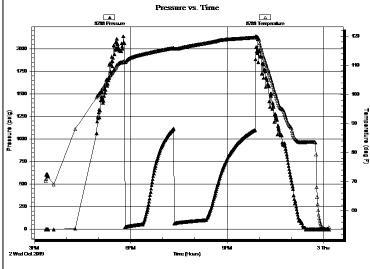
Start Time: 15:21:28 End Time: Time On Btm: 00:10:38 Time Off Btm:

TEST COMMENT: IF: Strong Blow . B.O.B. in 5 mins . Built to 25.87".

ISI: No Blow.

FF: Strong Blow . B.O.B. 27 mins. Built t 18.92".

FSI: No Blow.



PRESSURE S	SUMMARY
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Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
	Time (Min.)		Time (Min.) Pressure Temp (deg F)

#### Recovery

Length (ft)	Description	Volume (bbl)						
170.00	GOSM 5%g 95%m	1.29						
* Recovery from mult	* Recovery from multiple tests							

#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc. Ref. No: 64947 Printed: 2019.10.03 @ 06:07:37



**FLUID SUMMARY** 

Prater Oil & Gas Oper., Inc.

2-27s-12w Pratt Co., Ks.

10356 Bluestem BLVD

Pratt, Ks. 67124

Job Ticket: 64947

Fisher #1

DST#: 2

ATTN: Kent Roberts

Test Start: 2019.10.02 @ 15:21:41

**Mud and Cushion Information** 

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

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 6000 ppm

Viscosity: 54.00 sec/qt Cushion Volume: bbl

Water Loss: 9.99 in³ Gas Cushion Type:

Resistivity: 6000.00 ohm.m Gas Cushion Pressure: psig

Salinity: ppm Filter Cake: 0.20 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
170.00	GOSM 5%g 95%m	1.295

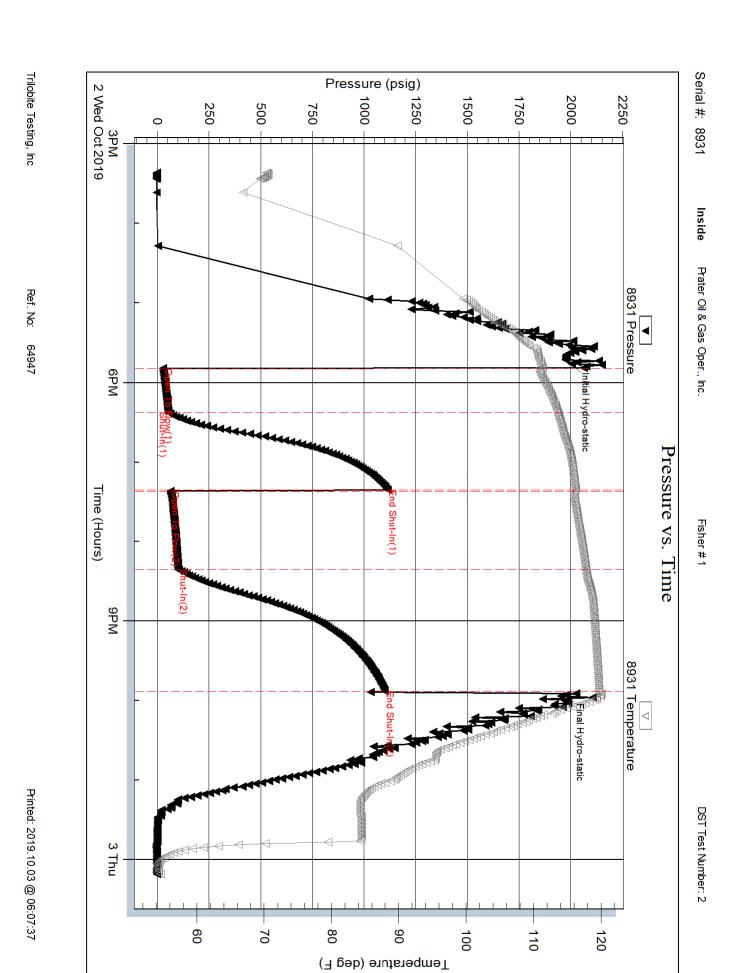
Total Length: 170.00 ft Total Volume: 1.295 bbl

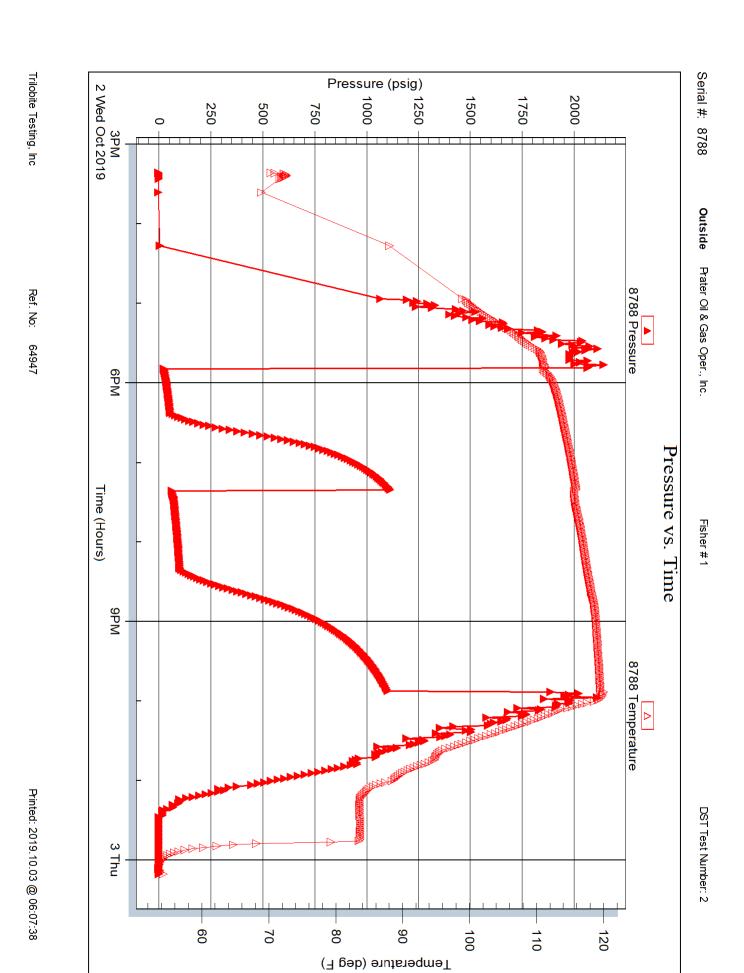
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments: Oil spotted Mud

Trilobite Testing, Inc Ref. No: 64947 Printed: 2019.10.03 @ 06:07:37





## PLOTTED GEOLOGICAL LOG

## **WellSight Systems**

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

Well Name: Fisher #1

Location: 1464' FNL & 1089' FEL of Sec. 2-T27S-R12W

Licence Number: API# 15-151-22503-00-00 Region: Pratt County, Kansas

Spud Date: Sept. 27, 2019 Drilling Completed: Oct. 3, 2019

Surface Coordinates: Lat. 37.72870, Long. -98.59481 (NAD83)

**Bottom Hole Vertical Well** 

**Coordinates:** 

Ground Elevation (ft): 1863 K.B. Elevation (ft): 1874 Logged Interval (ft): 1800 To: RTD Total Depth (ft): 4325

Formation: Kinderhook

Type of Drilling Fluid: Chemical Mud by Mud-Co

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.con

#### **OPERATOR**

Company: Prater Oil & Gas Operations, Inc.

Address: 10356 Bluestem Blvd.

Pratt, Kansas 67124

#### **GEOLOGIST**

Name: Kent Roberts

Company: Roberts Resources, Inc.

Address: P.O. Box 75187

Wichita, KS 67275 Phone 316-215-1683

#### **INFORMATION**

DRILLING CONTRACTOR: Sterling Drilling Rig #4

**MUD TYPE: Chemical by Mud-Co** 

DRILLING TIME KEPT FROM: 1800' to RTD

SAMPLES SAVED FROM: 3300' to RTD

SAMPLES EXAMINED FROM: 3300' to RTD

**GEOLOGICAL SUPERVISION FROM: 2600' to RTD** 

**ELECTRICAL SURVEYS: CNL/CDL, DIL by Pioneer** 

#### **CASING DATA**

**CONDUCTOR CASING: None** 

SURFACE CASING: 10-3/4" Set @ 321' w/ 300 sx

**PRODUCTION: None** 

IORNING DRILLING REPORT					Fax to	:	Ron P	rater							
Sterling Drilling Company, Rig#4			Wellsite Geologist:		# of Pa	# of Pages 1 Fax# Email out									
ox 1008, Pratt, Kansas 87124-1008			Kent Roberts		WELL NAME Fisher #1										
ffloe Phone (820) 672-8608, Fax 672-8609						LOCATION NW N			NW NV	NW SE NE					
lig #4 Phone Numbers (Dog House)		IN USE	Toolpu	sher	8EC	2	TWP	27s	RNG	12w	co	Pratt			
ig Cellular			(820) 388	4192	Yes	Lanny 5	Saloga	Prater	OII &	Gas Op	erations				
eologist Cellular (820) 388-6896		Yes	C (820)	388-4183	10356 Bluestern Blvd										
								Pratt,	Kansa	s 671	24				
								<b>ELEVA</b>	TION	G.L.	1863	K.B.	1874	AP#	15-151-22503-00-00

Langfeld called Dig-Safe. KCC Inpected and approved for earthen reserve pit. On Thursday September 19, 2019 Langfeld leveled location and dug earthen reserve pit. On 09/20/19 Kellys Water Well Svo drilled a 141' deep water well with a 50' water level. Will set pump at 110'. Mikes Septic for trash trailer, ditches and toilets. Sterling reported spud to KCC District 1 office (Ken Jehlik) Dist #1 on 09/26/19. Had 0.80' rain 09/24. Delayed move one day to Friday 09/27/19. Location is in a low area.

Day	7	Date:	09/27/19	rnoay	Perrect weather, no will	na, 80'81 Location ary.		
Moving off G	amer Elw	ell location in Stafford (	County at 7 ar	n. Plan mov	e/rig up and spud tonight.			
Dav	2	Date:	09/28/19	Saturday	Spud at 6:30pm 09/27/1	<ol> <li>Survey at 325'= 0 di</li> </ol>	egrees, Location dry at re	poort time.
Cementing 1	0.3/4" car	ing at 325' at 7:00 am.					•	
						lper trip to bit, .25 CTCH and	let cellar 25 CTCH at 325	CTCH cash
					t on different cement truck)	, c	jer senar, izo o roma ezo	,
					0-150, Pump Pressure 350-	580. SPM 50-60.		
						81 < Last 24-ROP- 14-3	V4"	
Surface Cas			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,			
		5:30 pm on 09/27/19. [	Orilled 14-3/4"	hole to 325	Ran 7 joints new, 32.75#,	10-3/4" casing.		
					elded straps on bottom 3 lol			
					6 Gel, 3%CC, 1/4# CF. Plu			
		. Basic Energy Cemen					Cum Mud S	NA
Day	9	Date:	09/29/19	Sunday		eg cement at 317', Started k	-	down to
	200 200		08/28/18	Suriday				
		ed 775' In 24 hours.	200 lot	Connection		p in to surface, raise LCM a 50 Tripping (pulled 5 stands		
			ieck, 2.00 Jei	Connections	s, .25 Drill plug, 10.00 WOC	, .su impping (pulled 5 stands	s for Lost Circ), 2.75 Lost d	rculation -
at 508' (250 I			u ine wit or	BIT 12 000	RPM 95+, Pump Pressure 5	an comes		
		T516, SN #S11378, (5				97 - Last 24 <rop>7-7/8</rop>	- Go Cum Mud S	\$5,708
	_		4.5				24	-
Day	4	Date:	09/30/19	Monday	No fluid losses. At 130	o rack pump up to 60 spm,	then 65 spm. Location s	an ary.
		1,560' In 24 hours.			Anhydrite (655' - 673')			
		n 6.50 hours (1.25 Rig	_					
					3lt 14,000, RPM 95, Pump P		- Com Mad 5	57.045
	_	T516, SN #S11378, (5				89 = Last 24 <rop>7-7/8</rop>	30	\$7,816
Day	5	Date:	10/01/19	Tuesday	No fluid losses. Displa	ice at 3297', DST #1 (3716' t	o 3740'), Survey at 3740' :	= 3/4 deq.
		3,740'. Drilled 1,080' I				windy for pipe strap before		
					25 CFS at 2660', 1.00 CFS	at 3740', 1.25 CTCH at 3740'	, 1.50 Tripping, 1.50 25 sta	nd Short
		laced at 3297' during ri						
					), RPM 95, Pump Pressure		. —	
		T516, SN #S11378, (5				73 = Last 24 <rop>7-7/8</rop>	* 85 Cum Mud \$	\$11,522
Day	6	Date:	10/02/19	Wednesda	Rained .61" last night a	and early this am. Location	wet and foggy at 7am.	
		n. Drilled 360' in 24 ho				bis off reserve pix on 10/1/1:		
Ran 8.25 ho	urs, down	15.75 hours (.50 Rig d	heck, 1.00 Co	nnections, 4.	50 Tripping, 1.00 Handle ter	st tool, .50 Pick up 13 jts of Di	P, .50 Break circ at 2400' 8	3300',
1.00 CTCH a	it 3740', 1	.00 CFS at 3868', 1.00	CFS at 3970'	, 1.00 CFS a	t 4000', 3.75 DST #1).			
Mud Propert	es: Chen	nical/Pac - Wt. 9.1, Vis.	52, PV/YP 1	7/18, WL 8.8	, pH 10.5, Chl. 3,500, LCM 6	<u>#, WOB</u> 14,000, RPM 95, Pt	imp Pressure 750, SPM 65	i
Bit #1: 7-7/8	<u>" TXT, T</u> X	T516, SN #S11378, (5	5-15's) , in at 3	325', drilled 3	,775' in 48.50 hours.	44 = Last 24 <rop>7-7/8</rop>	'- 78 Cum Mud \$	\$12,776
Day	7	Date:	10/03/19	Thursday	DST#2 (4115' - 4194').	Survey at 4194' = 3/4 deg. (	Cold front came through:	50 deg!!
CTCH at 432	25' (RTD)	at 7am. Drilled 225' in	24 hours.		Rained .06" early this a	im. Location wet and soft.	0.67" total rain.	
Ran 3.75 hou	urs, down	20.25 hours (.50 Conn	ections, 7.00	Tripping, 1.0	D Handle test tool, .25 Clean	floor, .50 Break circ at 2400'	8.3300', 1.50 CFS at 4160',	1.25 CFS
at 4194', .25	CTCH at	4325', 1.50 CTCH at 4'	194', 1.00 CT	CH at 4194',	4.00 DST #2, 1.25 Short trip	17 stands to 3138').		
Mud Propert	es: Chen	nical/Pac - Wt. 9.1, Vis.	58, PV/YP 1	3/14, WL 10.	0, pH 9.50, Chl. 6,000, LCM	6#; WOB 14,000, RPM 95, F	Pump Pressure 780, SPM 6	5.
Bit #1: 7-7/8	"TXT, TX	T516, SN #S11378, (5	5-15's) , in at 3	325', drilled 4	,000' in 52.25 hours.	60 = Last 24 <rop>7-7/8</rop>	- 77 Cum Mud \$	\$13,969
Day	8	Date:	10/04/19	Friday	Survey at 4325' = 1 deg	ree, RTD=4325', LTD=4328'	Plugged Well at 11:15pi	m 10/3/19
Tearing down	n for move	off location at 4325'.	Drilled 0' In 24	4 hours.	Rained 0.04" overnight	for a total during this well	of 0.71°.	
						75 Rig up loggers, 2.75 Loggi		. 1.25 CTCH
						Rig down and prepare for m		
					pH 10.0, Chl. 7,000, LCM 5		•	
					4325, drilled 4,000' in 52.25		- 77 Final Cum Mud	\$ \$14,546
	Sterling	will schedule the wat	er well to be	plugged.		<u> </u>		
Plugging Da	ıta:							
		well on 10/03/19. Plud	oded with hea	vv mud from	4325' (RTD) to 690' where t	he first plug was set		
					en third plug set at 60' with 3			

Rathole with 30 sacks and mousehole with 20 sacks. 200 Total sacks used containing 60/40 Poz, 49/6Gel.
Plugging Job completed at 11:15pm on 10/03/19. Plugging services provided by Basic, Ticket # 18149.
Plugging orders received on 10/03/19 at 1:30pm by Kenny Sullivan. Reported to KCC (Heath Walsh) on 10/07/19



Prater Oil & Gas Oper., Inc. 2-27s-12w Pratt Co., Ks.

10356 Bluestem BLVD Fisher #1

Pratt, Ks. 67124 Job Ticket: 64946

ATTN: Kent Roberts Test Start: 2019.10.01 @ 06:38:43

#### GENERAL INFORMATION:

LKC "B"Zone Formation:

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

Time Tool Opened: 09:05:28 Tester: Matt Smith

Time Test Ended: 15:01:43 Unit No: 68

Interval: 3716.00 ft (KB) To 3740.00 ft (KB) (TVD) Reference Bevations: 1874.00 ft (KB)

Total Depth: 3740.00 ft (KB) (TVD) 1863.00 ft (CF) KB to GR/CF: Hole Diameter: 7.88 inches Hole Condition: Fair 11.00 ft

Serial #: 8931 Inside

Press@RunDepth: 23.49 psig @ 3717.00 ft (KB) Capacity: 8000.00 psig 2019.10.01 End Date: 2019.10.01 Last Calib.: Start Date: 2019.10.01 Start Time: 06:38:48 End Time: 15:01:42 Time On Btm: 2019.10.01 @ 09:00:58

Time Off Btm: 2019.10.01 @ 12:54:58

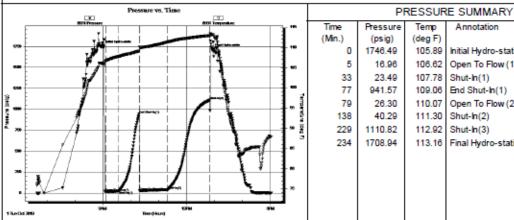
DST#:1

TEST COMMENT: IF: Strong Blow . B.O.B. in 28 mins. Built to 12.65".

ISI: No Blow.

FF: Strong Blow . B.O.B. in 29 mins. Built to 16.41".

FSI: No Blow .



٠	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
•	0	1746.49	105.89	Initial Hydro-static					
,	5	16.96	106.62	Open To Flow (1)					
	33	23.49	107.78	Shut-In(1)					
٠,	77	941.57	109.06	End Shut-In(1)					
enderstan.	79	26.30	110.07	Open To Flow (2)					
ě	138	40.29	111.30	Shut-In(2)					
idea 5	229	1110.82	112.92	Shut-In(3)					
3	234	1708.94	113.16	Final Hydro-static					

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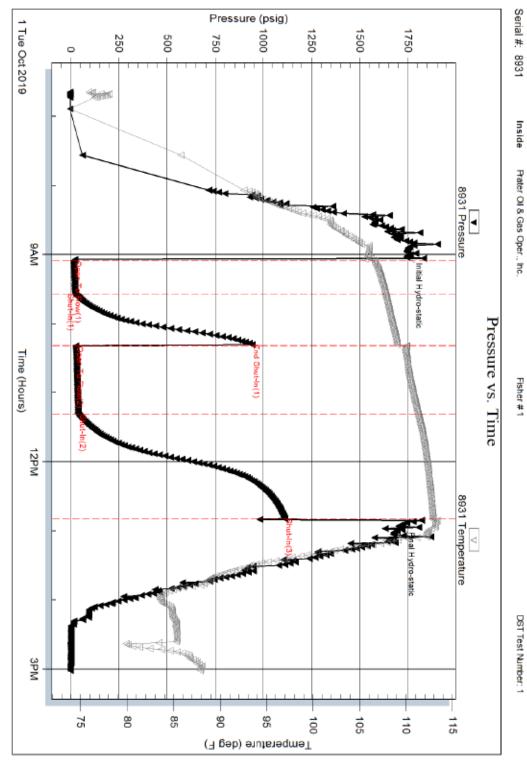
Length (ft)	Description	Volume (bbl)
118.00	GOWCM 15%g 25%o 5%w 55%m	0.90
3.00	OCM 80% o 20% m	0.02
0.00	314' G.I.P. 100%g	0.00

Gas Rat	es	
Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)

Trilobite Testing, Inc. Ref. No: 64946 Printed: 2019.10.01 @ 15:32:44









Prater Oil & Gas Oper., Inc.

2-27s-12w Pratt Co., Ks.

10356 Bluestem BLVD

Pratt, Ks. 67124

Job Ticket: 64947

Fisher #1

DST#: 2

ATTN: Kent Roberts

Test Start: 2019.10.02 @ 15:21:41

Matt Smith

68

#### GENERAL INFORMATION:

Formation: Mississippi Chert

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

Time Tool Opened: 17:49:28 Tester:

Time Test Ended: 00:10:56 Unit No:

4115.00 ft (KB) To 4194.00 ft (KB) (TVD) Interval:

Reference Bevations: 1874.00 ft (KB) 4194.00 ft (KB) (TVD) 1863.00 ft (CF)

KB to GR/CF: Hole Diameter: 7.88 inches Hole Condition: Fair 11.00 ft

Serial #: 8931 Inside

Total Depth:

8000.00 psig Press@RunDepth: 100.90 psig @ 4116.00 ft (KB) Capacity: Start Date: 2019.10.02 End Date: 2019.10.03 Last Calib.: 2019.10.03

Start Time: 15:21:46 End Time: 00:10:56 Time On Btm: 2019.10.02 @ 17:45:41

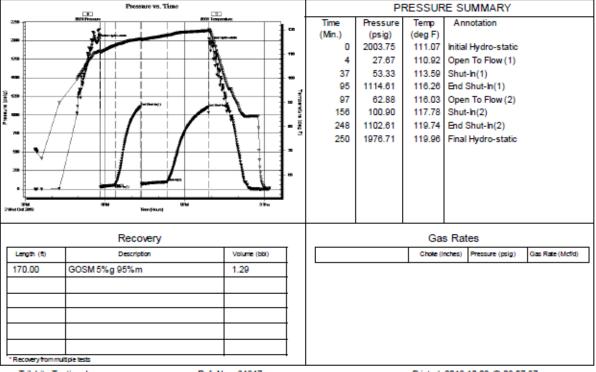
Time Off Btm: 2019.10.02 @ 21:55:41

TEST COMMENT: IF: Strong Blow . B.O.B. in 5 mins. Built to 25.87".

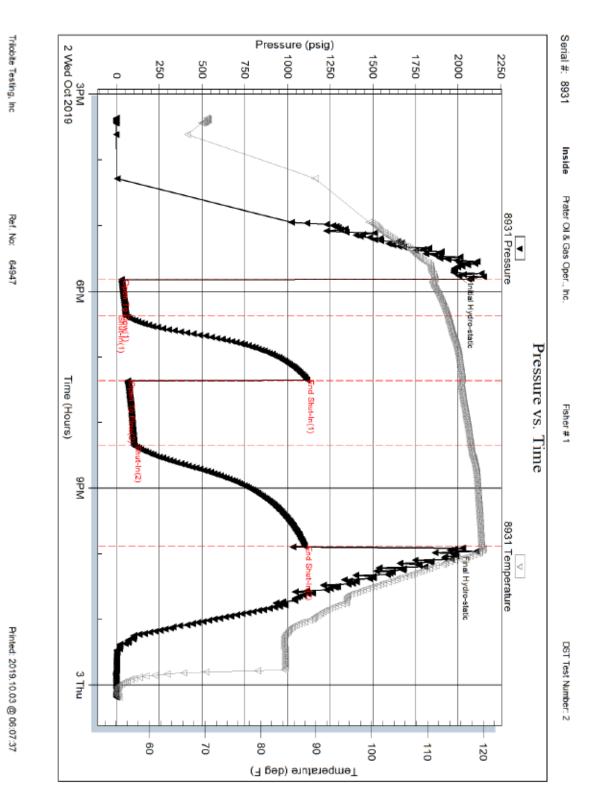
ISI: No Blow

FF: Strong Blow . B.O.B. 27 mins. Built t 18.92".

FSI: No Blow



Printed: 2019.10.03 @ 06:07:37 Trilobite Testing, Inc. Ref. No: 64947



# Prater Oil and Gas Fisher #1

Formation	Sample Top	Datum	Log Top	Datum
Anhydrite	655	1219	655	1219
Base Anhydrite	673	1201	673	1201
Topeka	3159	-1285	3160	-1286
<b>Heebner Shale</b>	3492	-1618	3495	-1621
Douglas Shale	3530	-1656	3532	-1658
Brown Lime	3678	-1804	3678	-1804
Lansing	3690	-1816	3691	-1817
Lansing Drum	3860	-1986	3862	-1988
Stark Shale	3986	-2112	3988	-2114
Mississippi Chert	4126	-2252	4148	-2274
Mississippi Lime	4188	-2314	4193	-2319
Kinderhook Shale	4296	-2422	4298	-2424
RTD	4325	-2451	4328	-2454

