KOLAR Document ID: 1466935

Confident	tiality 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 Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR □ OG □ GSW	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? 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	Deilling Fleid Management Dieg
Plug Back Liner Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
	Chlorida contenti nom Eluiduclumo, hblo
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 East West
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	County: Permit #:
Hoompleter Bate	

AFFIDAVIT

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

Submitted Electronically

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

KOLAR Document ID: 1466935

Operator Name:	Lease Name: Well #:
Sec TwpS. R East 🗌 West	County:

Page Two

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c] Ne	w Used rmediate, productio	on. etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Depth Top Bottom		Туре	Type of Cement # Sa		Sacks Used		Type and	Type and Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fracture 	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole Perf. Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)		юр	Bollom			
		foration Bridge Plug Bridge Plug Acid, Fracture, Shot, Cementing Squeeze ottom Type Set At (Amount and Kind of Material Used)							
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Pioneer Resources Inc.
Well Name	SUPPES 7
Doc ID	1466935

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	219	Common		2%Gel&3 %CC
Production	7.875	5.50	15.5	4699	EA/2	125	6% Gel

Geological Report

Suppes #7

1650' FSL & 2605' FWL Sec. 23 T19s R31w Scott County, Kansas



Pioneer Resources, Inc.

General Data

Well Data:	Pioneer Resources, Inc. Suppes #7 1650' FSL & 2605' FWL Sec. 23 T19s R31w Scott County, Kansas API # 15-171-21242-0000
Drilling Contractor:	Discovery Drilling Co. Inc. Rig #4
Geologist:	Jason T Alm
Spud Date:	April 2, 2019
Completion Date:	April 10, 2019
Elevation:	2946' Ground Level 2954' Kelly Bushing
Directions:	Grigston KS, ¹ / ₄ west on hwy 96. 7 ¹ / ₂ mi south on Venison. East into location.
Casing:	220' 8 5/8" surface casing 4709' 5 1/2" production casing
Samples:	10' wet and dry, 3700' to RTD
Drilling Time:	3700' to RTD
Electric Logs:	ELI "Jeff Luebbers" CNL/CDL, DIL, MEL
Drillstem Tests:	Two, Trilobite Testing, Inc. "Mike Roberts"
Problems:	None
Remarks:	Deviation 1 degrees at 4510'

	Pioneer Resources, Inc.		
	Suppes #7		
	Sec. 23 T19s R31w		
Formation	1650' FSL & 2605' FWL		
Anhydrite	2269' +685		
Krider	2795' +159		
Topeka	3734' -780		
Heebner	3946' -991		
Lansing	3989' -1035		
BKC	4362' -1408		
Pawnee	4490' -1536		
Fort Scott	4529' -1575		
Cherokee	4550' -1596		
Miss St. Louis	4618' -1664		
Miss Spergen	4640' -1686		
LTD	4710' -1756		
RTD	4710' -1756		

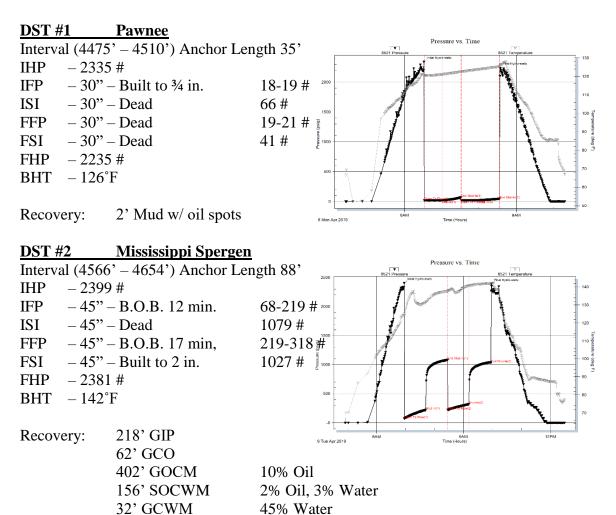
Formation Tops

Sample Zone Descriptions

Pawnee	Ls – Fine to sub-crystalline, or scattered fair oolicastic porosit	ty, light to fair oil stain in porosity, , slight show of free oil, very light
Miss St. Louis	Ls – Fine to sub-crystalline, or poor oolicastic porosity, light	d in DST #2 Ditic packstone with poor to very to scattered fair oil stain in porosity, k, chalky in part, mostly dense.
Miss Spergen	Ls – Fine to sub-crystalline, or	d in DST #2 olitic in part with poor scattered ity, light spotted oil stain in porosity, nse, 12 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc. "Mike Roberts"



	Pioneer Resources, Inc.	Brehm Asset Mgt		H&B Petroleum, Inc.	
	Suppes #7	Braeden #2		Suppes #1	
	Sec. 23 T19s R31w	Sec. 23 T19s R31w		Sec. 23 T19s R31w	
Formation	1650' FSL & 2605' FWL	1650' FSL & 2296' FEL		1410' FSL& 1760' FWL	
Anhydrite	2269' +685	2263' +685	FL	NA	NA
Krider	2795' +159	2790' +158	(+1)	NA	NA
Topeka	3734' -780	3730' -782	(+2)	3732' -776	(-4)
Heebner	3946' -991	3940' -992	(+1)	3944' -988	(-3)
Lansing	3989' -1035	3982' -1034	(-1)	3986' -1030	(-5)
BKC	4362' -1408	4362' -1415	(+7)	4359' -1403	(-5)
Pawnee	4490' -1536	4486' -1538	(+2)	4488' -1532	(-4)
Fort Scott	4529' -1575	4526' -1578	(+3)	4528' -1572	(-3)
Cherokee	4550' -1596	4548' -1600	(+4)	4550' -1594	(-2)
Miss St. Louis	4618' -1664	4618' -1670	(+6)	4617' -1661	(-3)
Miss Spergen	4640' -1686	4640' -1691	(+5)	4650' -1694	(+8)

Structural Comparison

Summary

The location for the Suppes #7 well was found via 3-D seismic survey. The new well ran structurally slightly lower than expected via the survey. Two Drill Stem Tests were conducted, one of which recovered commercial amounts of oil from the Mississippian Spergen Formation. After all gathered data had been examined the decision was made to run 5 $\frac{1}{2}$ inch production casing to further evaluate the Suppes #7 well.

Recommended perforations

Mississippian Spergen	4641' – 4644'	DST #2
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Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.

RILOBITE	DRILL STEM TES	ST REP	ORT				
	Pioneer Resources Inc.		23-19	9s-31w	Scott Co	KS	
ESTING , I	VC. 80 Windmill Dr. Phillipsburg KS			pes #7			
	67661		Job Ti	icket: 65	5132	DST#	#: 1
	ATTN: Jason Alm		Test S	Start: 20)19.04.08 @	9 04:25:15	
GENERAL INFORMATION:							
Formation:PawneeDeviated:NoWhipstorTime Tool Opened:06:31:45Time Test Ended:10:18:00	k: ft (KB)		Test T Teste Unit N	r: N	Conventiona Vike Roberts 31		Hole (Initial)
Total Depth: 4510.00 ft (KB)	4510.00 ft (KB) (TVD) (TVD) Hole Condition: Fair		Refer		evations: o GR/CF:	2946.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #:8521InsidePress@RunDepth:20.63 psStart Date:2019.04.Start Time:04:25:TEST COMMENT:IF:Built to 3/4IS No return	08 End Date: 15 End Time: " and died to 1/2" blow	2019.04.08 10:18:00	Capacity: Last Calib.: Time On Bt Time Off Bi	tm: 2	2019.04.08 (2019.04.08 (2019.04.0 @ 06:31:1	15
	blow vs. Time		PRE	ESSUR	RESUMM	ARY	
	SET Temperature Tomperature Tomperature Tomperature Tomperature	Time (Min.) 0	Pressure (psig)	Temp (deg F) 121.11	Annotatic	on	
		1 29 60	1 1	119.82 121.04 122.48	Open To F Shut-In(1) End Shut-I		
a 🗌 🖉 🕷 🗌 👘			19.63		Open To F		
		60 89 122	20.63	123.78		- (0)	
		122 123	40.78 2235.20	125.22 125.97	End Shut-li Final Hydro		
6444 8 Man Apr 2019 Time	9444 Hours)						
Recove	-				s Rates		
Length (ft) Description	Volume (bbl)			Choke (ir	nches) Pressu	re (psig)	Gas Rate (Mcf/d)
2.00 mud w ith oil spots	0.01						
Trilobite Testina. Inc	Ref. No: 65132				2019.04.08		

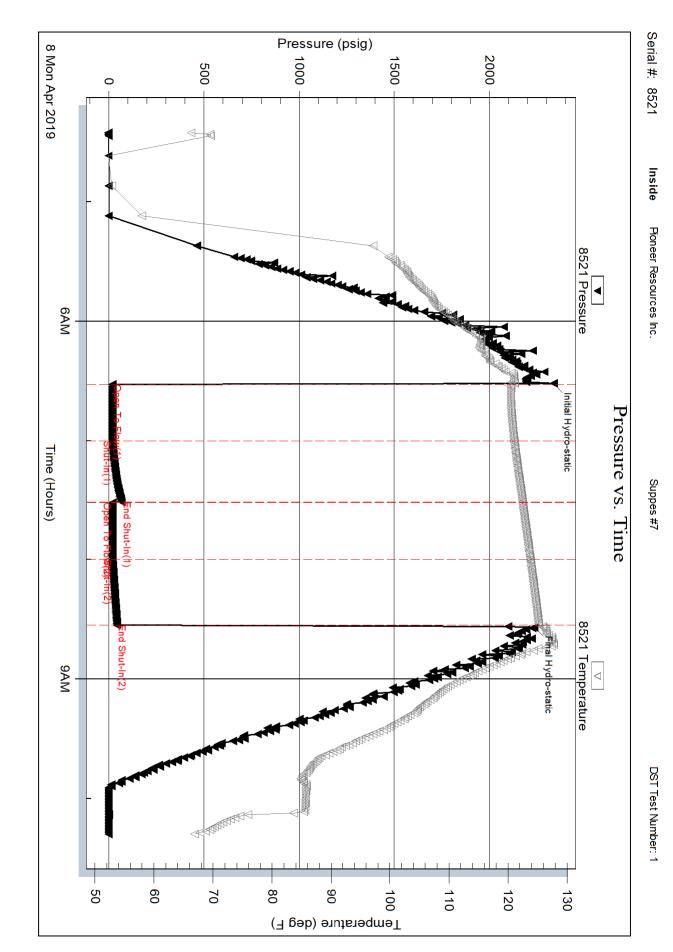
RILOBITE	DRILL STEM TES	ST REP	ORT			
	Pioneer Resources Inc.		23-19s	-31w Sco	tt Co KS	
ESTING , INC	80 Windmill Dr. Phillipsburg KS		Suppe Job Tick	e s #7 et: 65132	DST	- #: 1
	67661 ATTN: Jason Alm				.08 @ 04:25:1	5
GENERAL INFORMATION:						
Formation:PawneeDeviated:NoWhipstock:Time Tool Opened:06:31:45Time Test Ended:10:18:0	ft (KB)		Test Ty Tester: Unit No:	Mike F	entional Bottom Roberts	Hole (Initial)
Interval:4475.00 ft (KB) To457Total Depth:4510.00 ft (KB) (TVHole Diameter:7.88 inches Hole	D)		Referer	ce Elevatior KB to GR/	2946	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 8968OutsidePress@RunDepth:psig (Start Date:2019.04.08Start Time:04:25:15TEST COMMENT:IF:Built to 3/4" and	End Date: End Time:	2019.04.08 10:17:45	Capacity: Last Calib.: Time On Btm Time Off Btm		8000. 2019.04.	.00 psig .08
IS:No return blow FF:No blow FS:No return blow Pressure vs. Ti 505 Pressure					UMMARY	
5255 Presure 2250 300 47500 47500 47500 47500 47500 47500 4750	558 Temperature 130 130 130 130 130 130 130 130			emp An eg F)	notation	
Recovery				Gas Rat	tes	1
Length (ft) Description 2.00 mud w ith oil spots	Volume (bbl) 0.01			Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
Trilobite Testing. Inc	Ref. No: 65132				.04.08 @ 12:04	

	RILOBIT	F	DRI	LL ST	EM TEST F	REPORT	-		FLUID	SUMMAR		
LEN I				r Resource	es Inc.		23-19s-31w Scott Co KS					
錮	E STIN	IG , INC.	Phillips	dmill Dr. burg KS		Suppes#7		DST#:	1			
			67661	Jason Al	Im			:019.04.08 @ (•		
. Weedly			ATTN.	Jason Al				.019.04.00 @ (04.23.13			
Mud and Cu	ushion Inform	mation										
• •	el Chem				ushion Type:		_	Oil API:		0 deg API		
Mud Weight:	9.00 lb/g				ushion Length:		ft	Water Salinity	:	0 ppm		
Viscosity:	47.00 sec	c/qt			ushion Volume:		bbl					
Water Loss:	7.98 in ³				as Cushion Type:							
Resistivity:	0.00 ohr			G	as Cushion Pressure	9:	psig					
Salinity: Filter Cake:	3500.00 ppn 1.00 incl											
Recovery In												
Accovery in	normation			R	Recovery Table							
		Leng ft			Description		Volume bbl]				
	L		2.00	mud with	n oil spots		0.010	<u>)</u>				
	Total	Length:	2	.00 ft	Total Volume:	0.010 bbl						
		Fluid Samp			Num Gas Bombs:	0	Serial #	:				
		ratory Nar	ne:		Laboratory Location	nn.						
	Deee				2							
	Reco	very Com	ments:		2							
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Ref. No: 65132

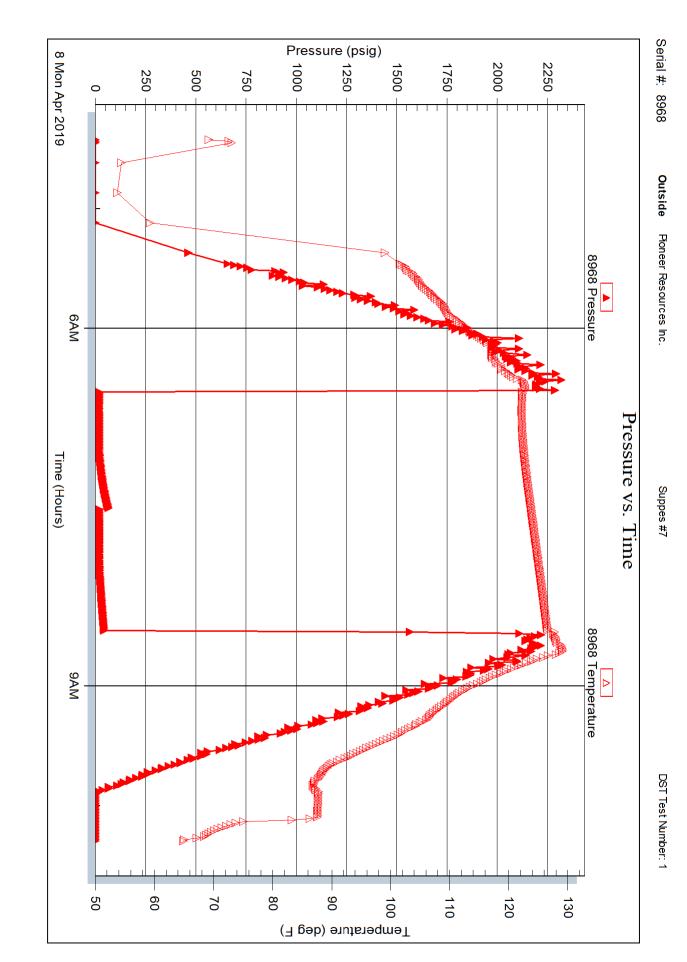




Printed: 2019.04.08 @ 12:05:00

Ref. No: 65132





		ORILL STEM TE	ST REP	ORT			
	F	ioneer Resources Inc.		23-19	9s-31w So	cott Co KS	
		80 Windmill Dr. Phillipsburg KS		Supp	oes #7		
		67661		Job Ti	cket: 65133	B DS	T#:2
	F	ATTN: Jason Alm		Test S	Start: 2019.	04.09 @ 04:54:′	15
GENERAL INFORM	ATION:						
Formation:MissDeviated:NoTime Tool Opened:06:57Time Test Ended:12:30		ft (KB)		Test T Tester Unit Ne	r: Mike	ventional Botton Roberts	n Hole (Reset)
Total Depth: 4654	ft (KB) To 4654. I.00 ft (KB) (TVD) 7.88 inchesHole Co			Refere	ence ⊟evat KB to G	2946	1.00 ft (KB) 3.00 ft (CF) 3.00 ft
Serial #: 8521	Inside						
Press@RunDepth:	318.07 psig @	4634.00 ft (KB)		Capacity:).00 psig
Start Date: Start Time:	2019.04.09 04:54:15	End Date: End Time:	2019.04.09 12:30:00	Last Calib.: Time On Bti		2019.04 9.04.09 @ 06:57	
	01.01.10		12.00.00	Time Off Bt		9.04.09 @ 09:58	
	Pressure vs. Time	BC2 Temponare Participational - 14 - 14	0 1 45 90 91 135 180	Pressure (psig) (2399.25 68.35 219.27 1078.55 219.64 318.07 1027.31 1027.31	Temp A (deg F) 125.16 Init 125.12 Op 131.42 Sh 137.63 En 137.37 Op 140.74 Sh 140.74 Sh 141.80 En En 141.80 En	SUMMARY Annotation tial Hydro-static ben To Flow (1) hut-ln(1) d Shut-ln(1) ben To Flow (2) hut-ln(2) d Shut-ln(2)	
500 500 500 500 500 500 500 500	Thereaction in the second seco		181	2380.76	141.75 Fir	nal Hydro-static	
· · · · · ·	Recovery				Gas R		1
Length (ft)	Description	Volume (bbl)			Choke (inche	s) Pressure (psig)	Gas Rate (Mcf/d)
	%g 45%w 50%m (c	· · · · · · · · · · · · · · · · · · ·					
	2%o 3%w 5%g 90 g 10%o 85%m	5.64					
62.00 free oil 1	-	0.87					
0.00 GIP= 218		0.00					
* Recovery from multiple tests							

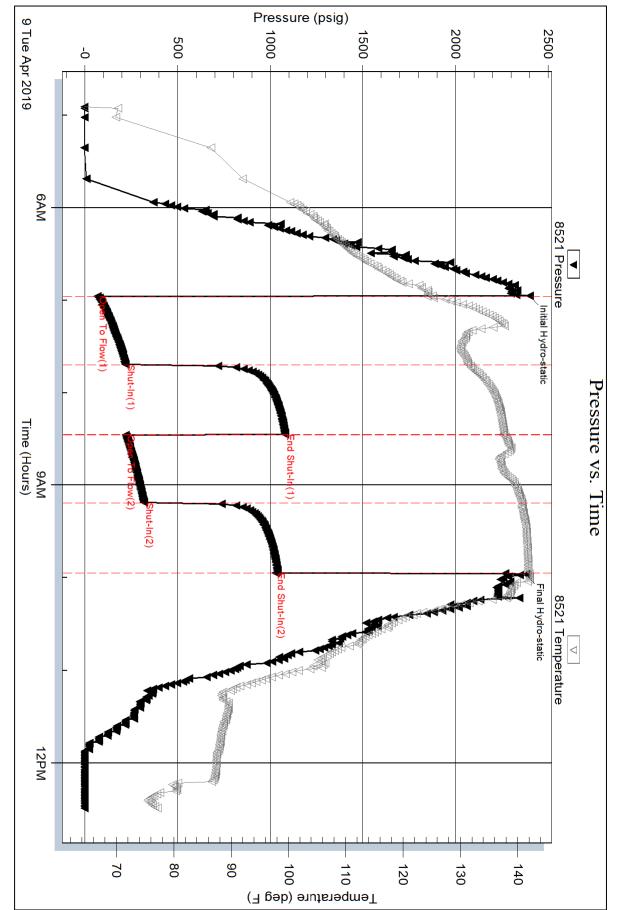
Police Resolutes in. 23-195-31W Scott Co KS 30 Windmill Dr. Philipsburg KS 67661 ATTN: Jason Alm Test Start: 2019.04.09 @ 04:54:15 GENERAL INFORMATION: Formation: Miss Spergen Deviated: No Whipstock: ft (KB) The Tool Opened: 06:57:15 Time Test Ended: 12:30:00 Interval: 4556.00 ft (KB) To 4654.00 ft (KB) (TVD) Total Depth: 4654.00 ft (KB) (TVD) Total Depth: 4654.00 ft (KB) (TVD) Total Depth: 7.88 inchesHole Condition: Fair Serial #: 8968 Outside Press@RunDepth: pig @ 4634.00 ft (KB) Start Time: 04:54:15 ETT COMMENT: F:Built to 30° blow BOB in 12 min. ESNo return blow FF:Built to 18° blow BOB in 12 min. ESNo return blow Time of Btm. Time (Min.) Pressure Time Annotation	RILOBITE	DRILL STEM TES	ST REP	ORT		
Prime burg KS or 6763 ATTN: Jason Alm Job Tielet: 65133 DST#: 2 Job Tielet: 65133 SENERAL INFORMATION: Test Start: 2019.04.09 @ 04:54:15 Semeral LINFORMATION: Test Start: 2019.04.09 @ 04:54:15 Time Total Operad: 06:57:15 Test Start: 2019.04.09 @ 04:54:15 Diale Damade: 06:57:15 Test Type: Conventional Bottom Hole (Reset) Trester: Mile Soborts Unit No: 81 Interval: 4654:00 ft (KB) TO 4554.00 ft (KB) Total Deprim: 7.88 inches/hole Condition: Fair Test Type: Conventional Bottom Hole (Reset) Testare: 2019.04.09 Start Date: 2.019.04.09 Capeolly: 2019.04.09 Start Date: 2.019.04.09 East Callibly: 2019.04.09 Start Time: 0.454:15 End Dire: 12.30.00 TEST COMMENT: F-Built to 30' blow BOB in 12 min. ES:No return blow End Dire: 2019.04.09 TEST COMMENT: F-Built to 30' blow BOB in 12 min. ES:No return blow Time Of Bur: 2019.04.09 Test Origin to 30' blow BOB in 12 min. ES:No return blow FRESULT SCHARES Time Of Bur: Time Off Bur: ES:No return blow FS:No return blow ES:No return blow FS:No return blow FS:No return blow ES:No return blow Es:No return blow FS:No return blow FS:No return blow Es:No return blow Es:No return blow Tree (free in 100% Go SWm K 56% 90% Min (co		Pioneer Resources Inc.		23-19s-3	1w Scott C	o KS
6761 ATTN: Jason Alm Test Start: 2019.04.09 @ 04:54:15 GENERAL INFORMATION: Formation: Miss Spergen Deviated: No. Whipstock: ft (KB) The Tool Opend: 057:15 Test Type: Conventional Bottom Hole (Reset) The Tool Opend: 057:15 Test Type: Conventional Bottom Hole (Reset) The Tool Opend: 056:10 Test Type: Conventional Bottom Hole (Reset) The Tool Opend: 056:01 (KB) Test Type: Conventional Bottom Hole (Reset) Tool Opend: 056:01 (KB) Test Type: Conventional Bottom Hole (Reset) Tool Opend: 056:01 (KB) Test Type: Conventional Bottom Hole (Reset) Tool Opend: 056:01 (KB) Capacity: 8000.00 pig Sant Date: 2019.04.09 Edd 2011 (KB) 2019.04.09 2019.04.09 Edd 2011 (KB) Sant Date: 2019.04.09 Edd 2011 (KB) 2019.04.09 Edd 2011 (KB) 2019.04.09 Sant Date: 2019.04.09 Edd 2011 (KB) 2019.04.09 Edd 2011 (KB) 2019.04.09 Sant Date: Pressure Name 10 10 10 10 10 FFBuitt to 30' blow BOB in 17 min FS No return blow	ESTING, INC					
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Teal Depth:: 4654.00 ft (KB) (TVD) 2946.00 ft (CF) KB to GRVCF: 8.00 ft Serial #: 3968 Outside Bess@RunDepth:: 2019.04.09 End Date: 2019.04.09 Last Callb:: 2019.04.09 Start Date: 2019.04.09 End Date: 2019.04.09 Last Callb:: 2019.04.09 Start Date: 2019.04.09 End Date: 2019.04.09 Last Callb:: 2019.04.09 Start Date: 2019.04.09 Last Callb:: 2019.04.09 Start Callb:: 2019.04.09 Start Date: 2019.04.09 Last Callb:: 2019.04.09 Start Callb:: 2019.04.09 Time Off Btrx TEST COMMENT: F:Built to 180' blow BOB in 17 min F3/No return blow Pressure Temp Annotation ft start difference difference 0 difference Start Start ft start difference difference 0 difference Start Start ft start difference difference 0 difference difference difference		ft (KB)		Tester:	Mike Rober	
Press@RunDepth: psig @ 4634.00 ft (KB) Capacity: 8000.00 psig Start Time: 2019.04.09 End Date: 2019.04.09 Last Calib: 2019.04.09 Start Time: 04:54.15 End Time: 12:30:00 Time On Btm: Time Off Btm: TEST COMMENT: F:Built to 30° blow BOB in 12 min. E:No return blow FEBuilt to 18° blow BOB in 17 min Pressure Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Time Off Btm: Ti	Total Depth: 4654.00 ft (KB) (TVD)				2946.00 ft (CF)
Start Date: 2019.04.09 End Date: 2019.04.09 Last Calib.: 2019.04.09 Start Time: 04:54:15 End Time: 12:30:00 Time On Bim: Time Off Bim: TEST COMMENT: F:Built to 30° blow BOB in 12 min. S:No return blow F:Built to 18° blow BOB in 17 min FS:No return blow F:Built to 18° blow BOB in 17 min Time Off Bim: Time Off Bim: Time Time Pressure Time Off Bim: Time Time Off Bim: Time Off Bim: Time Off Bim: Time Off Bim:	Serial #: 8968 Outside					
TEST COMMENT: IF:Built to 30° blow BOB in 12 min. Six No return blow FE:Built to 18° blow BOB in 17 min FS:No return blow Time Time PRESSURE SUMMARY Time (psig) (deg F) Annotation Time (psig) (deg F) Annotation Time (psig) (deg F) Annotation Six No return blow Six N	Start Date: 2019.04.09	End Date:		Last Calib.: Time On Btm:		
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Image: constrained of the constrained o		555 Tonpostro		Pressure Tem	p Annotat	
Image: Network Notice Service Second			Toopoor			
Length (ft) Description Volume (bbl) 32.00 gcw m 5%g 45%w 50%m (collar) 0.16 156.00 vsocw m 2%o 3%w 5%g 90%m 2.19 402.00 gocm 5%g 10%o 85%m 5.64 62.00 free oil 100%o 0.87 0.00 GIP= 218 ft 0.00						
32.00 gcwm5%g 45%w 50%m (collar) 0.16 156.00 vsocwm2%o 3%w 5%g 90%m 2.19 402.00 gocm 5%g 10%o 85%m 5.64 62.00 free oil 100%o 0.87 0.00 GIP= 218 ft 0.00	-					ure (psig) Gas Rate (Mcf/d)
156.00 vsocw m 2%o 3%w 5%g 90%m 2.19 402.00 gocm 5%g 10%o 85%m 5.64 62.00 free oil 100%o 0.87 0.00 GIP= 218 ft 0.00						
62.00 free oil 100%o 0.87 0.00 GIP= 218 ft 0.00						
0.00 GIP= 218 ft 0.00		-				
		0.87	1			
* Description with the tests	62.00 free oil 100%o					

	TRILOBITE		LL STEM TEST REPOR			LUID SUMMAR			
正 ま		Pionee	r Resources Inc.	23-19s-31w Scott Co KS					
	ESTING, INC		idmill Dr.	Suppes#	7				
		Phillips 67661	burg KS	Job Ticket:	65133	DST#:2			
			Jason Alm	Test Start:	2019.04.09 @ 04:	54:15			
/lud and Cເ	ushion Information								
lud Type: G	el Chem		Cushion Type:		Oil API:	27 deg API			
lud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	14000 ppm			
iscosity:	51.00 sec/qt		Cushion Volume:	bbl					
/ater Loss:	7.59 in ³		Gas Cushion Type:						
esistivity:	0.00 ohm.m		Gas Cushion Pressure:	psig					
alinity:	2000.00 ppm								
ter Cake:	1.00 inches								
ecovery In	nformation		5 74						
			Recovery Table		_				
	Leng ft	gth	Description	Volume bbl					
		32.00	gcwm5%g45%w50%m(collar)	0.15	7				
		156.00	vsocwm2%o3%w5%g90%m	2.18	8				
		402.00	gocm 5%g 10%o 85%m	5.63	9				
		62.00	free oil 100%o	0.87	<u>o</u>				
		0.00	GIP= 218 ft	0.00	0				
	Total Length:	652	2.00 ft Total Volume: 8.854 bb	bl					
	Num Fluid Sam	ples: 0	Num Gas Bombs: 0	Serial #	# :				
	Laboratory Na		Laboratory Location:						
			N= .589 @ 73.2= 14,000 ppm						
	,		PI= 28 @ 70 corrected to 27@ 60						

Printed: 2019.04.09 @ 13:24:30

Ref. No: 65133





Suppes #7

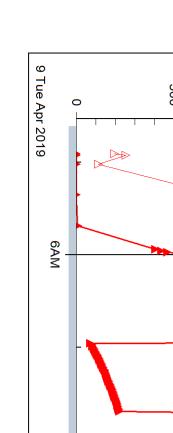
DST Test Number: 2

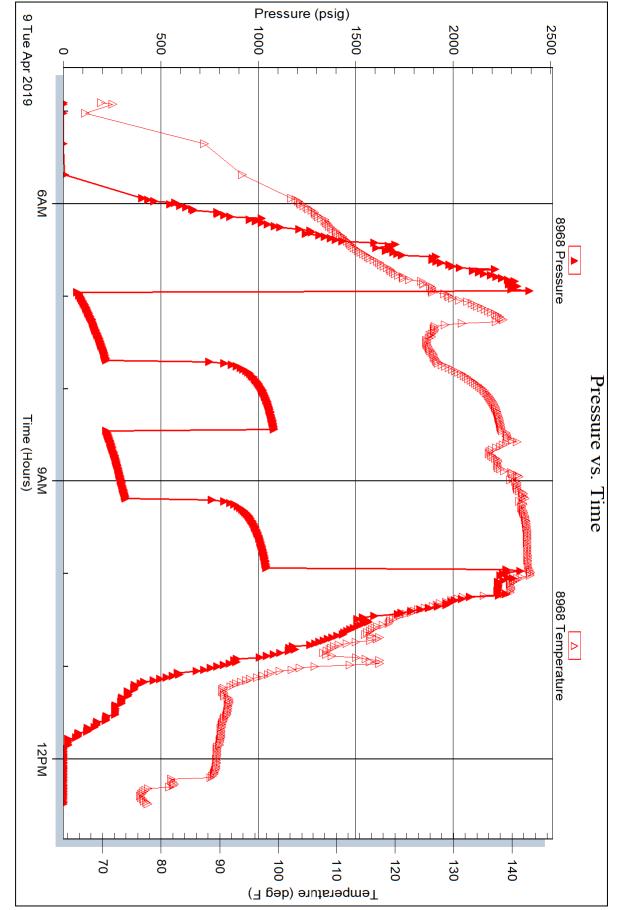
Serial #: 8521 Inside Pioneer Resources Inc.

Printed: 2019.04.09 @ 13:24:30

Ref. No: 65133

Trilobite Testing, Inc





Pioneer Resources Inc.

Suppes #7

DST Test Number: 2

Serial #: 8968 Outside

1 th	SWIFT OPERATOR		DATE SIGNED TIME SIGNED	START OF WORK OR DELIVERY OF GOODS.	MIST RE SIGNED BY CIRTONED OD CHETOMER	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					112	3	111 114	101	NO.	PI S	24.0	- FERENCE PART NUMBER			3. URL TYPE	DAGY KS	s, Inc.	SWIFT
41	VCE OF MATERIA	P.M.	D A.M.	OR TO		es and agrees to bof which include. NDEMNITY, and						arrite			-			LOC ACCT D	INVOICE INSTRUCTIONS			CT NOY 7		CHARGE - ADDRESS
IIU YAL	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.	00-2-00			SWIFT SERVICES, INC. DUR SERVICE WAS DUR SERVICE WAS PERFORMED WITHOUT DELAY?	REMIT PAYMENT TO: SURVEY				20 1	Dy tong place tothe	DU tool	Recipto Schalder	Insert floot share without FILL	Cen Hich Zok	PUMp Cherrac	MILEAGE TRE 114	DF DESCRIPTION		Revelopment Communit Zstage long string	Sincore e	LEASE Suppos COUNTY/PARISH STATE	CITY, STATE, ZIP CODE	CHARGE TO: POMOR RESOUTCRO
	of the materials and se	CUSTOMER DID NOT WISH TO RESPOND	VICE?	UIPMENT	DELAY?	EY AGREE UNDECIDED OFMED			-	_	N	51	52 - 3	52 4	St in	1 26	D mi	QTY. U/M Q		WELL PERMIT NO.	Production Laboration	CITY Scigston		
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IL	this ticket.	TOTAL		TAX		PAGE TOTAL	 				DI	375.00	45 100	2250	a a	80018	00 5	UNIT		WELL LOCATION	ORDER NO.	the la	PAGE 1	TICKET しつ
Thank You!					1.271.93	6315m			_	11.22	S NU SS	2,375 100	166500	225	702 8	1800100	250 00	AMOUNT				OWNER	PF	991.70

GLOBAL OIL FIELD SERVICES, LLC

	S. Lineo ussell, KS	oln			RVICE POINT:) 11350/1	<u> </u>
DATE 4-2-1-	SEC.	TWP	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE SUPPES	WELL #.	157 Balante	LOCATION 7	1 3 Green	on Vini Ph	COUNTY	STATE
OLD OR NEW (CIRC	CLE ONE)		and the second	a da ser a ser Esta da ser a s			
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TYPE OF JOB SUM			I all a start of the second				
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CITY	- STATE	ZI	P	-		Im Dorrent	
					PLUG & FLO	AT EQUIPME	NI

Global Oil Field Services, LLC

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

	ALEN &	ASCI	UPER	1
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SIGNATURE 57.0	n June	lan_		

_ IF PAID IN 30 DAYS

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SALES TAX (If Any) TOTAL CHARGES _ DISCOUNT TOTAL

Pioneer Resources 80 Windmill Drive 1867 Resources

<u>See 23, Twp 195, R 31W</u> See 23, Twp 195, R 31W

tos sqif

Prepared for: Rodger Wells

April 10, 2019

Prepared by: Dreiling Enterprises, LLC Preston L. Dreiling 815 Main Street Victoria, KS 67671 (785) 639-2099

Wednesday April 10, 2019 L# saddns Pioneer Resources

5568. - 5582. Anhydrite .0117 T.D.

D.V. tool on top of joint #57 (2276'). Shoe joint #1 (42.42').

.68.6694 .00.8 + Iniol gnibned .65.1694 .00.6 + Float Equipment Total 5 1/2" 15.5# casing 4688.39

Pipe set at 4699'.

through joint #27. D.V. tool on top of joint #57. Run joints #58 through joint #111. Start in the hole with casing. Run joint #1 though joint #10, run joint #112, run joints #11 .m.s 22:01

Joints #113 and 114 are out (58.63').

Scratchers on joints #2, #4, #5, #6, #7, #8, #9, and #10.

Centralizers on joints #2, #3, #5, #7, #9, #11, #13, #15, #20, and #56.

Baskets on joints #4, #21, and #57.

.m.q 02:21 .ftiw2 qu gir bns mottod 2sT

viscosity. Break circulation. Reciprocate pipe, pump Desco flush and thin mud down to a 37 .m.q 00:1

Pump 500 gallons of mud flush and 20 barrels of KCL. .m.q čč:2

75 sacks SMD at 12.5#, tailed in with 100 sacks of EA-2 at 15.3#. Washed up lines. Plug rat hole with 30 sacks and mouse hole with 20 sacks. Start mixing down hole, mixed .m.q 24:5

.4023-signal 011 (#022 Start displacement. 90 barrels-300#, 95 barrels- 350#, 100 barrels-500#, 105 barrels-.m.q č1:£

curculate. 110 3/4 barrels land plug with 1500#. Released to truck- held. Open D.V. tool and .m.q 75:5

Pump 500 gallons of mudflush. .m.q č1:ð

Start mixing down hole, mixed 275 sacks SMD. Washed up lines .m.q č2:ð

Start displacement. Had 400# of lift pressure. .m.q č0:7

Land plug with 54 barrels at 1400#. Released to truck- held. Cement did circulate. .m.q 91:7

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